

## COMBINED AUTHOR AND TITLE INDEX

(Volumes 261 to 270, 2003–2004)

**A**

- Abalde J, see Teira E et al. (2003) 265:31–43  
 Achituv Y, see Levy O et al. (2004) 268:105–117  
 Ackerman JD, see Nishizaki MT (2004) 268:93–103  
 Acuña JL, see Fernández D et al. (2004) 266:89–101  
 Afanasyev V, see Phillips RA et al. (2004) 266:265–272  
 Afton AD, see Bolduc F (2004) 266:35–42  
 Agustí S, see Vidal M et al. (2003) 262:43–53  
 Ainley DG, see Emslie SD et al. (2003) 262:19–25  
 Aitken JP, see Parsons DM et al. (2003) 262:253–265  
 Albaret JJ, see Panfili J et al. (2004) 270:241–257  
 Alberto F, see Billingham MR et al. (2003) 265:77–83  
 Alcalá AC, see Russ GR et al. (2003) 264:15–20  
 Alkati A, see Moore TS II et al. (2003) 261:41–49  
 All dredge AL, see McManus MA et al. (2003) 261:1–19  
 Alphin TD, see Posey MH et al. (2003) 261:51–61  
 Álvarez-Ossorio MT, see Teira E et al. (2003) 265:31–43  
 Andersen M, see Grahl-Nielsen O et al. (2003) 265:275–282  
 Anderson DM, see Kremp A et al. (2003) 263:65–73  
 Andersson A, see Sandberg J et al. (2004) 268:13–29  
 Angel D, see Rinkevich B et al. (2003) 261:305–309  
 Angel DL, see Eden N et al. (2003) 263:139–147  
 Anninsky BE, see Kideys AE et al. (2004) 266:111–121  
 Aoki I, see Takasuka A et al. (2004) 270:217–228  
 Arai T, Kotake A, Lokman PM, Miller MJ, Tsukamoto K (2004)  
     Evidence of different habitat use by New Zealand freshwater eels *Anguilla australis* and *A. dieffenbachii*, as revealed by otolith microchemistry. 266:213–225  
 Arias-González JE, see Garza-Pérez JR et al. (2004) 269:  
     141–152  
 Arístegui J, see Sebastián M et al. (2004) 270:1–13  
 Asmus H, see Schanz A (2003) 261:123–134  
 Atkinson A, see Schmidt K et al. (2004) 266:43–58  
 Atkinson MJ, see Tarrant AM et al. (2004) 269:121–129  
 Atkinson S, see Tarrant AM et al. (2004) 269:121–129  
 Attrill MJ, see Foggo A et al. (2003) 265:297–302  
 Au DWT, Pollino CA, Wu RSS, Shin PKS, Lau STF, Tang JYM (2004) Chronic effects of suspended solids on gill structure, osmoregulation, growth, and triiodothyronine in juvenile green grouper *Epinephelus coioides*. 266:255–264  
 Auster P, see Lindholm J et al. (2004) 269:61–68  
 Axelsen BE, see Kvamme C et al. (2003) 263:309

**B**

- Babcock RC, see Parsons DM et al. (2003) 262:253–265  
 Bachok Z, see Mfilinge PL et al. (2003) 265:97–105  
 Badran MI, see Niemann H et al. (2004) 269:91–99  
 Baker AC, see McClanahan TR et al. (2003) 261:135–147  
 Baldi F, see Ciglenečki I et al. (2003) 263:17–27  
 Barker Jørgensen B, see Treude T et al. (2003) 264:1–14  
 Barnard AH, see McManus MA et al. (2003) 261:1–19  
 Barnes DKA, Fraser KPP (2003) Rafting by five phyla on man-made flotsam in the Southern Ocean. 262:289–291  
 Barsby T, see Kicklighter CE et al. (2003) 263:299–306  
 Bastidas C, García EM (2004) Sublethal effects of mercury

and its distribution in the coral *Porites astreoides*. 267:  
     133–143

- Baumgartner MF, Cole TVN, Campbell RG, Teegarden GJ, Durbin EG (2003) Associations between North Atlantic right whales and their prey, *Calanus finmarchicus*, over diel and tidal time scales. 264:155–166  
 Baumgartner MF, Cole TVN, Clapham PJ, Mate BR (2003)  
     North Atlantic right whale habitat in the lower Bay of Fundy and on the SW Scotian Shelf during 1999–2001.  
     264:137–154  
 Baumgartner MF, Mate BR (2003) Summertime foraging ecology of North Atlantic right whales. 264:123–135  
 Beaugrand G (2004) Monitoring marine plankton ecosystems. I: Description of an ecosystem approach based on plankton indicators. 269:69–81  
 Beauvais S, Pedrotti ML, Villa E, Lemée R (2003) Transparent exopolymer particle (TEP) dynamics in relation to trophic and hydrological conditions in the NW Mediterranean Sea. 262:97–109  
 Beet A, Solow AR, Bollens SM (2003) Comparing vertical plankton profiles with replication. 262:285–287  
 Bellwood DR, see Fisher R (2003) 263:177–188  
 Bengtson JL, see Kooyman GL et al. (2004) 267:281–290  
 Benkendorff K, see Przeslawski R et al. (2004) 268:151–160  
 Berg P, Røy H, Janssen F, Meyer V, Jørgensen BB, Huettel M, de Beer D (2003) Oxygen uptake by aquatic sediments measured with a novel non-invasive eddy-correlation technique. 261:75–83  
 Berkman PA, see Emslie SD et al. (2003) 262:19–25  
 Bermudez R, see Ladah L et al. (2003) 262:173–183  
 Berrien P, see Mountain D et al. (2003) 263:247–260  
 Best PB, see Elwen SH (2004) 269:289–295  
 Bethea DM, Buckel JA, Carlson JK (2004) Foraging ecology of the early life stages of four sympatric shark species. 268:  
     245–264  
 Beucher C, Tréguer P, Corvaisier R, Hapette AM, Elskens M (2004) Production and dissolution of biosilica, and changing microphytoplankton dominance in the Bay of Brest (France). 267:57–69  
 Beukema JJ, Dekker R (2003) Redistribution of spat-sized *Macoma balthica* in the Wadden Sea in cold and mild winters. 265:117–122  
 Bianchi M, see Van Wambeke F et al. (2004) 269:1–15  
 Bilenca D, see Vergani DF et al. (2004) 268:293–300  
 Bilio M, Niermann U (2004) Is the comb jelly really to blame for it all? *Mnemiopsis leidyi* and the ecological concerns about the Caspian Sea. 269:173–183  
 Billett DSM, see Howell KL et al. (2004) 266:103–110  
 Billingham MR, Reusch TBH, Alberto F, Serrão EA (2003) Is asexual reproduction more important at geographical limits? A genetic study of the seagrass *Zostera marina* in the Ria Formosa, Portugal. 265:77–83  
 Blier PU, see Ouellette D et al. (2004) 266:185–193  
 Bode A, see Teira E et al. (2003) 265:31–43  
 Boetius A, see Treude T et al. (2003) 264:1–14  
 Bolduc F, Afton AD (2004) Hydrologic aspects of marsh ponds during winter on the Gulf Coast Chenier Plain, USA: effects of structural marsh management. 266:35–42

- Bollens SM, see Beet A et al. (2003) 262:285–287
- Bongiorni L, see Rinkevich B et al. (2003) 261:305–309
- Boss E, see McManus MA et al. (2003) 261:1–19
- Botton ML, Loveland RE, Tiwari A (2003) Distribution, abundance, and survivorship of young-of-the-year in a commercially exploited population of horseshoe crabs *Limulus polyphemus*. 265:175–184
- Bougrier S, see Petersen JK et al. (2004) 267:187–194
- Bouquegneau JM, see Das K et al. (2003) 263:287–298
- Bowie RCK, see Evans BS et al. (2004) 270:163–172
- Boyer KE, see Fong P et al. (2003) 262:111–123
- Boyle KA, see Fong P et al. (2003) 262:111–123
- Brickman D (2003) Controls on the distribution of Browns Bank juvenile haddock. 263:235–246
- Briggs DR, see Phillips RA et al. (2004) 266:265–272
- Broderick AC, see Hays GC et al. (2003) 262:305–309
- Brokordt K, Guderley H (2004) Binding of glycolytic enzymes in adductor muscle of Iceland scallop *Chlamys islandica* is altered by reproductive status. 268:141–149
- Brown HI, Kirby DS (eds) (2004) Quality in science publishing. 270:265–287
- Brown JA, see Laurel BJ et al. (2003) 262:241–252
- Brown KM, see Levin LA et al. (2003) 265:123–139
- Brummelhuis E, see Petersen JK et al. (2004) 267:187–194
- Brun FG, Vergara JJ, Navarro G, Hernández I, Pérez-Lloréns JL (2003) Effect of shading by *Ulva rigida* canopies on growth and carbon balance of the seagrass *Zostera noltii*. 265:85–96
- Bruyant F, see Van Wambeke F et al. (2004) 269:1–15
- Buckel JA, see Bethea DM et al. (2004) 268:245–264
- Buckley LJ, see Caldarone EM et al. (2003) 262:229–240
- Buhle ER, see Semmens BX et al. (2004) 266:239–244
- Bulit C, Díaz-Ávalos C, Montagnes DJS (2004) Assessing spatial and temporal patchiness of the autotrophic ciliate *Myrionecta rubra*: a case study in a coastal lagoon. 268: 55–67
- Bustamante P, Morales CF, Mikkelsen B, Dam M, Caurant F (2004) Trace element bioaccumulation in grey seals *Hali-choerus grypus* from the Faroe Islands. 267:291–301
- Bustamante P, Teyssié JL, Danis B, Fowler SW, Miramand P, Cotret O, Warnau M (2004) Uptake, transfer and distribution of silver and cobalt in tissues of the common cuttlefish *Sepia officinalis* at different stages of its life cycle. 269: 185–195
- C**
- Caldarone EM, St. Onge-Burns JM, Buckley LJ (2003) Relationship of RNA/DNA ratio and temperature to growth in larvae of Atlantic cod *Gadus morhua*. 262:229–240
- Caldow C, Wellington GM (2003) Patterns of annual increment formation in otoliths of pomacentrids in the tropical western Atlantic: implications for population age-structure examination. 265:185–195
- Campbell RG, see Baumgartner MF et al. (2003) 264:155–166
- Campbell RW, Dower JF (2003) Role of lipids in the maintenance of neutral buoyancy by zooplankton. 263:93–99
- Cantera JR, see Londoño-Cruz E et al. (2003) 265:289–295
- Cardoso PG, see Pardal MA et al. (2004) 267:1–8
- Cariño C, see Teira E et al. (2003) 265:31–43
- Carlson CA, see Steinberg DK et al. (2004) 267:45–56
- Carlson JK, see Bethea DM et al. (2004) 268:245–264
- Cartamil DP, Lowe CG (2004) Diel movement patterns of ocean sunfish *Mola mola* off southern California. 266: 245–253
- Cartes JE, see Company JB et al. (2003) 261:201–216
- Case JF, see McManus MA et al. (2003) 261:1–19
- Castellani C, see Irigoien X et al. (2003) 262:193–200
- Castilla JC, Lagos NA, Cerda M (2004) Marine ecosystem engineering by the alien ascidian *Pyura praepputialis* on a mid-intertidal rocky shore. 268:119–130
- Catena J, see French McCay DP et al. (2003) 264:197–212
- Caurant F, see Bustamante P et al. (2004) 267:291–301
- Cerda M, see Castilla JC et al. (2004) 268:119–130
- Cervetto G, see Tester PA et al. (2004) 268:195–204
- Chang CW, Iizuka Y, Tzeng WN (2004) Migratory environmental history of the grey mullet *Mugil cephalus* as revealed by otolith Sr:Ca ratios. 269:277–288
- Chang CW, see Shiao JC et al. (2003) 261:233–242
- Chapman MG (2003) Paucity of mobile species on constructed seawalls: effects of urbanization on biodiversity. 264:21–29
- Cheney KL, Côté IM (2003) Do ectoparasites determine cleaner fish abundance? Evidence on two spatial scales. 263:189–196
- Cheney KL, Côté IM (2003) Indirect consequences of parental care: sex differences in ectoparasite burden and cleaner-seeking activity in longfin damselfish. 262:267–275
- Cherel Y, Duhamel G, Gasco N (2004) Cephalopod fauna of subantarctic islands: new information from predators. 266: 143–156
- Chinnery FE, Williams JA (2003) Photoperiod and temperature regulation of diapause egg production in *Acartia bifilosa* from Southampton Water. 263:149–157
- Chisholm JRM, see Jaubert JM et al. (2003) 263:75–82
- Christiansen JS, see Røed KH et al. (2003) 262:299–303
- Cid Á, see Teira E et al. (2003) 265:31–43
- Ciglenečki I, Playšić M, Vojvodić V, Čosović B, Pepi M, Baldi F (2003) Mucopolysaccharide transformation by sulfide in diatom cultures and natural mucilage. 263:17–27
- Clapham PJ, see Baumgartner MF et al. (2003) 264:137–154
- Clark RP, Edwards MS, Foster MS (2004) Effects of shade from multiple kelp canopies on an understory algal assemblage. 267:107–119
- Clarke LM, see Wells BK et al. (2003) 262:293–298
- Clavier J, see Huet M et al. (2004) 270:153–161
- Clementson L, see Zapata M et al. (2004) 270:83–102
- Coats DW, see Smalley GW et al. (2003) 262:137–151
- Coats L, see Emslie SD et al. (2003) 262:19–25
- Cobb JS, see French McCay DP et al. (2003) 264:177–196
- Cohen JH, see Forward RB Jr et al. (2004) 269:237–247
- Cohen JH, see Tester PA et al. (2004) 268:195–204
- Cokos BA, see McClanahan TR et al. (2003) 261:135–147
- Cole TVN, see Baumgartner MF et al. (2003) 264:137–154
- Cole TVN, see Baumgartner MF et al. (2003) 264:155–166
- Collie JS, see Taylor DL (2003) 263:217–234
- Company JB, Sardà F, Puig P, Cartes JE, Palanques A (2003) Duration and timing of reproduction in decapod crustaceans of the NW Mediterranean continental margin: is there a general pattern? 261:201–216
- Conlan KE, see Lenihan HS et al. (2003) 261:63–73
- Conway DVP, see Irigoien X et al. (2004) 267:85–97
- Cook C, see Marshall DJ et al. (2004) 266:135–142
- Cook PA, see Evans BS et al. (2004) 270:163–172
- Corvaisier R, see Beucher C et al. (2004) 267:57–69
- Čosović B, see Ciglenečki I et al. (2003) 263:17–27
- Cote D, Ollerhead LMN, Scruton DA, McKinley RS (2003) Microhabitat use of juvenile Atlantic cod in a coastal area of Newfoundland determined by 2D telemetry. 265: 227–234
- Côté IM, see Cheney KL (2003) 262:267–275
- Côté IM, see Cheney KL (2003) 263:189–196
- Cotret O, see Bustamante P et al. (2004) 269:185–195

Cowles TJ, see McManus MA et al. (2003) 261:1–19  
 Craggs R, see Ellis J et al. (2004) 270:71–82  
 Croxall JP, see Phillips RA et al. (2004) 266:265–272  
 Culik BM, see Koschinski S et al. (2003) 265:263–273  
 Cullen JJ, see Lehmann MK et al. (2004) 269:101–110  
 Cummings SR, see Lawrence D et al. (2004) 266:1–13  
 Cummins SP, Roberts DE, Zimmerman KD (2004) Effects of the green macroalga *Enteromorpha intestinalis* on macrobenthic and seagrass assemblages in a shallow coastal estuary. 266:77–87

**D**

Dagg MJ, see Lawrence D et al. (2004) 266:1–13  
 Dalpadado P, see Kvamme et al. (2003) 263:309  
 Dam M, see Bustamante P et al. (2004) 267:291–301  
 Damsgaard Henriksen O, see Koschinski S et al. (2003) 265:263–273  
 Danis B, see Bustamante P et al. (2004) 269:185–195  
 Das K, Lepoint G, Leroy Y, Bouquegneau JM (2003) Marine mammals from the southern North Sea: feeding ecology data from  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  measurements. 263:287–298  
 David E, see Grémare A et al. (2004) 267:195–208  
 Davidson R, see Howell KL et al. (2004) 266:103–110  
 Davies IM, see Ford AT et al. (2003) 265:303–309  
 Davis AR, see Przeslawski R et al. (2004) 268:151–160  
 Davis CS, see Gallagher SM et al. (2004) 267:27–43  
 Davis RF, see Lehmann MK et al. (2004) 269:101–110  
 Davis RW, Fuiman LA, Williams TM, Horning M, Hagey W (2003) Classification of Weddell seal dives based on 3-dimensional movements and video-recorded observations. 264:109–122  
 DeAlteris JT, see French McCay DP et al. (2003) 264:197–212  
 de Beer D, see Berg P et al. (2003) 261:75–83  
 Deibel D, see Saunders PA et al. (2003) 261:183–199  
 Deibel D, see Tian RC et al. (2003) 262:1–17  
 Dekker R, see Beukema JJ (2003) 265:117–122  
 Dekker R, see Holmes SP et al. (2004) 268:131–140  
 Delean S, see Ninio R et al. (2003) 265:107–116  
 Dell'Osso G, see Grémillet D et al. (2004) 268:265–279  
 de Meeùs T, see Michaud M et al. (2004) 269:163–171  
 Denis L, see Desroy N (2004) 270:41–53  
 Denis M, see Sciandra A et al. (2003) 261:111–122  
 Derocher AE, see Grahl-Nielsen O et al. (2003) 265:275–282  
 Desmalades M, see Grémare A et al. (2004) 267:195–208  
 Desrosiers G, see Ouellette D et al. (2004) 266:185–193  
 Desroy N, Denis L (2004) Influence of spring phytopdetritus sedimentation on intertidal macrozoobenthos in the eastern English Channel. 270:41–53  
 DeWitt TH, see Griffen BD et al. (2004) 269:223–236  
 Díaz-Ávalos C, see Bulit C et al. (2004) 268:55–67  
 Dietz R, see Laidre KL et al. (2003) 261:269–281  
 Diop K, see Panfili J et al. (2004) 270:241–257  
 Dommasnes A, see Kvamme C et al. (2003) 263:309  
 Donaghay PL, see McManus MA et al. (2003) 261:1–19  
 Donahue MJ (2004) Size-dependent competition in a gregarious porcelain crab *Petrolisthes cinctipes* (Anomura: Porcellanidae). 267:219–231  
 Donlan M, Sperduto M, Hebert C (2003) Compensatory mitigation for injury to a threatened or endangered species: scaling piping plover restoration. 264:213–219  
 Donlan M, see Sperduto MB et al. (2003) 264:221–232  
 Dower JF, see Campbell RW (2003) 263:93–99  
 Duarte CM, see Vidal M et al. (2003) 262:43–53  
 Dubinsky Z, see Levy O et al. (2004) 268:105–117  
 Duchêne JC, see Grémare A et al. (2004) 267:195–208

Duffe J, see Fisk AT et al. (2003) 262:201–214  
 Duggins DO, Eckman JE, Siddon CE, Klinger T (2003) Population, morphometric and biomechanical studies of three understory kelps along a hydrodynamic gradient. 265:57–76  
 Duggins DO, see Eckman JE et al. (2003) 265:45–56  
 Duhamel G, see Cherel Y et al. (2004) 266:143–156  
 Durako MJ, see Whitfield PE et al. (2004) 267:121–131  
 Durand JD, see Panfili J et al. (2004) 270:241–257  
 Durbin EG, see Baumgartner MF et al. (2003) 264:155–166

**E**

Eckman JE, Duggins DO, Siddon CE (2003) Current and wave dynamics in the shallow subtidal: implications to the ecology of understory and surface-canopy kelps. 265:45–56  
 Eckman JE, see Duggins DO et al. (2003) 265:57–76  
 Eden N, Katz T, Angel DL (2003) Dynamic response of a mud snail *Nassarius sinuigerus* to changes in sediment biogeochemistry. 263:139–147  
 Edmunds PJ (2004) Juvenile coral population dynamics track rising seawater temperature on a Caribbean reef. 269:111–119  
 Edwards M, see Johns DG et al. (2003) 265:283–287  
 Edwards MS, see Clark RP et al. (2004) 267:107–119  
 Eiane K, Ohman MD (2004) Stage-specific mortality of *Calanus finmarchicus*, *Pseudocalanus elongatus* and *Oithona similis* in Fladen Ground, North Sea, during a spring bloom. 268:183–193  
 Eisner LB, see McManus MA et al. (2003) 261:1–19  
 Eissler Y, Sahlsten E, Quiñones RA (2003) Effects of virus infection on respiration rates of marine phytoplankton and microplankton communities. 262:71–80  
 Elliott NG, see Evans BS et al. (2004) 270:163–172  
 Ellis G, see Koschinski S et al. (2003) 265:263–273  
 Ellis J, Nicholls P, Craggs R, Hofstra D, Hewitt J (2004) Effect of terrigenous sedimentation on mangrove physiology and associated macrobenthic communities. 270:71–82  
 Ellis JI, see Thrush SF et al. (2003) 263:101–112  
 Elskens M, see Beucher C et al. (2004) 267:57–69  
 Elwen SH, Best PB (2004) Female southern right whales *Eubalaena australis*: Are there reproductive benefits associated with their coastal distribution off South Africa? 269:289–295  
 Emslie SD, Berkman PA, Ainley DG, Coats L, Polito M (2003) Late-Holocene initiation of ice-free ecosystems in the southern Ross Sea, Antarctica. 262:19–25  
 Erlandsson J, McQuaid CD (2004) Spatial structure of recruitment in the mussel *Perna perna* at local scales: effects of adults, algae and recruit size. 267:173–185  
 Evans BS, Sweijd NA, Bowie RCK, Cook PA, Elliott NG (2004) Population genetic structure of the perlemoen *Haliotis midae* in South Africa: evidence of range expansion and founder events. 270:163–172  
 Eyre BD, see Webb AP (2004) 268:205–220

**F**

Fairey R, see Lenihan HS et al. (2003) 261:63–73  
 Falcão M, see Stratoudakis Y et al. (2003) 265:235–242  
 Falk-Petersen S, see Søreide JE et al. (2003) 263:43–64  
 Fernandes TF, see Ford AT et al. (2003) 265:303–309  
 Fernández A, see Fernández D et al. (2004) 266:89–101  
 Fernández D, López-Urrutia Á, Fernández A, Acuña JL, Harris R (2004) Retention efficiency of 0.2 to 6  $\mu\text{m}$  particles by

- the appendicularians *Oikopleura dioica* and *Fritillaria borealis*. 266:89–101
- Fernández E, see Teira E et al. (2003) 265:31–43
- Fernö A, see Kvamme C et al. (2003) 263:309
- Ferrario ME, see Garibotti IA et al. (2003) 261:21–39
- Fevolden SE, see Røed KH et al. (2003) 262:299–303
- Finenko GA, see Kideys AE et al. (2004) 266:111–121
- Fisher R, Bellwood DR (2003) Undisturbed swimming behaviour and nocturnal activity of coral reef fish larvae. 263: 177–188
- Fisk AT, Hoekstra PF, Gagnon JM, Duffe J, Norstrom RJ, Hobson KA, Kwan M, Muir DCG (2003) Influence of habitat, trophic ecology and lipids on, and spatial trends of, organochlorine contaminants in Arctic marine invertebrates. 262:201–214
- Foggo A, Frost MT, Attrill MJ (2003) Abundance-occupancy patterns in British estuarine macroinvertebrates. 265: 297–302
- Folkvord A, see Fox CJ et al. (2003) 264:83–94
- Fong P, Boyer KE, Kamer K, Boyle KA (2003) Influence of initial tissue nutrient status of tropical marine algae on response to nitrogen and phosphorus additions. 262: 111–123
- Ford AT, Fernandes TF, Rider SA, Read PA, Robinson CD, Davies IM (2003) Measuring sublethal impacts of pollution on reproductive output of marine Crustacea. 265:303–309
- Forward RB Jr, Cohen JH, Irvine RD, Lax JL, Mitchell R, Schick AM, Smith MM, Thompson JM, Venezia JI (2004) Settlement of blue crab *Callinectes sapidus* megalopae in a North Carolina estuary. 269:237–247
- Foster MS, see Clark RP et al. (2004) 267:107–119
- Fowler SW, see Bustamante P et al. (2004) 269:185–195
- Fox CJ, Folkvord A, Geffen AJ (2003) Otolith micro-increment formation in herring *Clupea harengus* larvae in relation to growth rate. 264:83–94
- Fox HE (2004) Coral recruitment in blasted and unblasted sites in Indonesia: assessing rehabilitation potential. 269: 131–139
- Franke U, see Wild C et al. (2004) 267:159–171
- Fraser KPP, see Barnes DKA (2003) 262:289–291
- Fraser WR, Hofmann EE (2003) A predator's perspective on causal links between climate change, physical forcing and ecosystem response. 265:1–15
- French McCay DP, Gibson M, Cobb JS (2003) Scaling restoration of American lobsters: combined demographic and discounting model for an exploited species. 264:177–196
- French McCay DP, Peterson CH, DeAlteris JT, Catena J (2003) Restoration that targets function as opposed to structure: replacing lost bivalve production and filtration. 264:197–212
- French McCay DP, Rowe JJ (2003) Habitat restoration as mitigation for lost production at multiple trophic levels. 264: 233–247
- Friedland KD, see Wells BK et al. (2003) 262:293–298
- Friedrich J, see Grégoire M (2004) 270:15–39
- Fromentin JM, see Royer F et al. (2004) 269:249–263
- Fromont J, see Usher KM et al. (2004) 270:117–127
- Frost MT, see Foggo A et al. (2003) 265:297–302
- Fry B, see Mutchler T et al. (2004) 266:27–33
- Fuiman LA, see Davis RW et al. (2003) 264:109–122
- Funnell GA, see Thrush SF et al. (2003) 263:101–112
- G**
- Gagne JP, see Ouellette D et al. (2004) 266:185–193
- Gagnon JM, see Fisk AT et al. (2003) 262:201–214
- Gallager SM, Yamazaki H, Davis CS (2004) Contribution of fine-scale vertical structure and swimming behavior to formation of plankton layers on Georges Bank. 267:27–43
- García EM, see Bastidas C (2004) 267:133–143
- García-Gómez JC, see Guerra-García JM et al. (2003) 263: 127–138
- Garen P, see Petersen JK et al. (2004) 267:187–194
- Garibotti IA, Vernet M, Ferrario ME, Smith RC, Ross RM, Quetin LB (2003) Phytoplankton spatial distribution patterns along the western Antarctic Peninsula (Southern Ocean). 261:21–39
- Garrido JL, see Zapata M et al. (2004) 270:83–102
- Garza-Pérez JR, Lehmann A, Arias-González JE (2004) Spatial prediction of coral reef habitats: integrating ecology with spatial modeling and remote sensing. 269:141–152
- Gasco N, see Cherel Y et al. (2004) 266:143–156
- Gascoigne J, Lipcius RN (2004) Allee effects in marine systems. 269:49–59
- Gasol JM, see Vidal M et al. (2003) 262:43–53
- Gaspar P, see Royer F et al. (2004) 269:249–263
- Gattuso JP, see Sciandra A et al. (2003) 261:111–122
- Geffen AJ, see Fox CJ et al. (2003) 264:83–94
- Giannoulaki M, Machias A, Koutsikopoulos C, Haralabous J, Somarakis S, Tsimenides N (2003) Effect of coastal topography on the spatial structure of the populations of small pelagic fish. 265:243–253
- Gibson M, see French McCay DP et al. (2003) 264:177–196
- Gieskes JM, see Levin LA et al. (2003) 265:123–139
- Gifford DJ, see McManus MA et al. (2003) 261:1–19
- Gilbert F, see Ouellette D et al. (2004) 266:185–193
- Gillanders BM, see Hamer PA et al. (2003) 263:261–273
- Gochfeld DJ (2004) Predation-induced morphological and behavioral defenses in a hard coral: implications for foraging behavior of coral-feeding butterflyfishes. 267:145–158
- Godley BJ, see Hays GC et al. (2003) 262:305–309
- Gómez I, López-Figueroa F, Ulloa N, Morales V, Lovengreen C, Huovinen P, Hess S (2004) Patterns of photosynthesis in 18 species of intertidal macroalgae from southern Chile. 270:103–116
- González HE, see Iriarte JL (2004) 269:83–90
- González N, see Teira E et al. (2003) 265:31–43
- González-Vila FJ, see Guerra-García JM et al. (2003) 263: 127–138
- Gooday AJ, see Suhr SB et al. (2003) 262:153–162
- Gorbunov MY, see Levy O et al. (2004) 268:105–117
- Gorokhova E (2003) Relationships between nucleic acid levels and egg production rates in *Acartia bifilosa*: implications for growth assessment of copepods *in situ*. 262: 163–172
- Grabowski JH, see Lenihan HS et al. (2003) 261:63–73
- Grabowski JH, see Peterson CH et al. (2003) 264:249–264
- Grabowski JH, see Powers SP et al. (2003) 264:265–277
- Graham MH, see Thornber CS et al. (2004) 268:69–80
- Grahl-Nielsen O, Andersen M, Derocher AE, Lydersen C, Wiig Ø, Kovacs KM (2003) Fatty acid composition of the adipose tissue of polar bears and of their prey: ringed seals, bearded seals and harp seals. 265:275–282
- Greenlaw CF, see McManus MA et al. (2003) 261:1–19
- Grégoire M, Friedrich J (2004) Nitrogen budget of the north-western Black Sea shelf inferred from modeling studies and *in situ* benthic measurements. 270:15–39
- Gregory RS, see Laurel BJ et al. (2003) 262:241–252
- Grémare A, Duchêne JC, Rosenberg R, David E, Desmalades M (2004) Feeding behaviour and functional response of *Abra ovata* and *A. nitida* compared by image analysis. 267:195–208
- Grémillet D, Dell'omo G, Ryan PG, Peters G, Ropert-Coudert

- Y, Weeks SJ (2004) Offshore diplomacy or how seabirds mitigate intra-specific competition: a case study based on GPS tracking of Cape gannets from neighbouring colonies. 268:265–279
- Griffen BD, DeWitt TH, Langdon C (2004) Particle removal rates by the mud shrimp *Upogebia pugettensis*, its burrow, and a commensal clam: effects on estuarine phytoplankton abundance. 269:223–236
- Grønkjær P, see Jakobsen TS et al. (2003) 262:277–284
- Grownay VA, see Levin LA et al. (2003) 265:123–139
- Guderley H, see Brokordt K (2004) 268:141–149
- Guerra-García JM, González-Vila FJ, García-Gómez JC (2003) Aliphatic hydrocarbon pollution and macrobenthic assemblages in Ceuta harbour: a multivariate approach. 263:127–138
- Guinand B, see Panfili J et al. (2004) 270:241–257
- Guisande C, Ulla A, Thejill P (2004) Solar activity governs abundance of Atlantic Iberian sardine *Sardina pilchardus*. 269:297–301
- Gulliksen B, see Søreide JE et al. (2003) 263:43–64

## H

- Hagey W, see Davis RW et al. (2003) 264:109–122
- Hall NS, see Moisander PH et al. (2003) 262:81–95
- Hall POJ, see Ståhl H et al. (2004) 269:33–48
- Hamer PA, Jenkins GP, Gillanders BM (2003) Otolith chemistry of juvenile snapper *Pagrus auratus* in Victorian waters: natural chemical tags and their temporal variation. 263:261–273
- Hamersley MR, Howes BL (2003) Contribution of denitrification to nitrogen, carbon, and oxygen cycling in tidal creek sediments of a New England salt marsh. 262:55–69
- Hammerstrom KK, see Whitfield PE et al. (2004) 267:121–131
- Hankin RKS, see Parsons DM et al. (2003) 262:253–265
- Hansen E, see Søreide JE et al. (2003) 263:43–64
- Hansen PB, see Jakobsen TS et al. (2003) 262:277–284
- Hanson PJ, Koenig CC, Zdanowicz VS (2004) Elemental composition of otoliths used to trace estuarine habitats of juvenile gag *Mycteroperca microlepis* along the west coast of Florida. 267:253–265
- Hapette AM, see Beucher C et al. (2004) 267:57–69
- Haralabous J, see Giannoulaki M et al. (2003) 265:243–253
- Harbour D, see Irigoien X et al. (2003) 262:193–200
- Harder T, see Lam C et al. (2003) 263:83–92
- Hargrave BT, Kostylev VE, Hawkins CM (2004) Benthic epifauna assemblages, biomass and respiration in The Gully region on the Scotian Shelf, NW Atlantic Ocean. 270: 55–70
- Hargrave BT, see Wildish DJ et al. (2004) 267:99–105
- Harlay J, see Sciandra A et al. (2003) 261:111–122
- Harris R, see Fernández D et al. (2004) 266:89–101
- Harris RP, see Irigoien X et al. (2003) 262:193–200
- Harris RP, see Irigoien X et al. (2004) 267:85–97
- Harvell CD, see Petes LE et al. (2003) 264:167–171
- Harvey M, Morrier G (2003) Laboratory feeding experiments on zoea of northern shrimp *Pandalus borealis* fed with natural zooplankton. 265:165–174
- Hata H, Kato M (2003) Demise of monocultural algal farms by exclusion of territorial damselfish. 263:159–167
- Hawkins CM, see Hargrave BT et al. (2004) 270:55–70
- Hay ME, see Kicklighter CE et al. (2003) 263:299–306
- Hays GC, Broderick AC, Godley BJ, Luschi P, Nichols WJ (2003) Satellite telemetry suggests high levels of fishing-induced mortality in marine turtles. 262:305–309
- Hebert C, see Donlan M et al. (2003) 264:213–219

- Heide-Jørgensen MP, see Laidre KL et al. (2003) 261:269–281
- Henry LA, Kenchington E (2004) Differences between epilithic and epizoic hydroid assemblages from commercial scallop grounds in the Bay of Fundy, northwest Atlantic. 266:123–134
- Hernández I, see Brun FG et al. (2003) 265:85–96
- Herren CM, see McManus MA et al. (2003) 261:1–19
- Hess S, see Gómez I et al. (2004) 270:103–116
- Hewitt J, see Ellis J et al. (2004) 270:71–82
- Hewitt JE, see Talman SG et al. (2004) 269:197–207
- Hewitt JE, see Thrush SF et al. (2003) 263:101–112
- Hidaka M, see Yakovleva I (2004) 268:43–53
- Hobbs RC, see Laidre KL et al. (2003) 261:269–281
- Hobday AJ, see Jackson GD et al. (2003) 264:57–71
- Hobson KA, see Fisk AT et al. (2003) 262:201–214
- Hoekstra PF, see Fisk AT et al. (2003) 262:201–214
- Hofmann EE, see Fraser WR (2003) 265:1–15
- Hofstra D, see Ellis J et al. (2004) 270:71–82
- Holliday DV, see McManus MA et al. (2003) 261:1–19
- Holmes SP, Dekker R, Williams ID (2004) Population dynamics and genetic differentiation in the bivalve mollusc *Abra tenuis*: aplanic dispersal. 268:131–140

- Hop H, see Søreide JE et al. (2003) 263:43–64

- Horning M, see Davis RW et al. (2003) 264:109–122

- Houde ED, see North EW (2003) 264:309

- Houston DC, see Ruxton GD (2004) 266:59–63

- Howell KL, Billett DSM, Tyler PA, Davidson R (2004) Feeding ecology of deep-sea seastars (Echinodermata: Asteroidea): a pigment biomarker approach. 266:103–110

- Howes BL, see Hamersley MR (2003) 262:55–69

- Huet M, Paulet YM, Clavier J (2004) Imposex in *Nucella lapillus*: a ten year survey in NW Brittany. 270:153–161

- Huettel M, see Berg P et al. (2003) 261:75–83

- Huettel M, see Wild C et al. (2004) 267:159–171

- Hughes-Clarke JE, see Wildish DJ et al. (2004) 267:99–105

- Huot Y, see Lehmann MK et al. (2004) 269:101–110

- Huovinen P, see Gómez I et al. (2004) 270:103–116

- Hurd CL, see Phillips JC (2003) 264:31–48

## I

- Ichii T, see Watanabe H et al. (2004) 266:173–184

- Iizuka Y, see Chang CW et al. (2004) 269:277–288

- Iizuka Y, see Shiao JC et al. (2003) 261:233–242

- Ikeda T, see Padmavati G et al. (2004) 270:181–198

- Imhoff JF, see Podgorek L et al. (2004) 266:65–76

- Iriarte JL, González HE (2004) Phytoplankton size structure during and after the 1997/98 El Niño in a coastal upwelling area of the northern Humboldt Current System. 269:83–90

- Irigoien X, Conway DVP, Harris RP (2004) Flexible diel vertical migration behaviour of zooplankton in the Irish Sea. 267:85–97

- Irigoien X, Titelman J, Harris RP, Harbour D, Castellani C (2003) Feeding of *Calanus finmarchicus* nauplii in the Irminger Sea. 262:193–200

- Irvine RD, see Forward RB Jr et al. (2004) 269:237–247

- Ivey GN, see Nahas EL et al. (2003) 265:213–226

## J

- Jackson G, see Nahas EL et al. (2003) 265:213–226

- Jackson GA, Kiørboe T (2004) Zooplankton use of chemodetection to find and eat particles. 269:153–162

- Jackson GD, McGrath Steer B, Wotherspoon S, Hobday AJ (2003) Variation in age, growth and maturity in the Australian arrow squid *Nototodarus gouldi* over time and space—what is the pattern? 264:57–71
- Jackson GD, see Parsons DM et al. (2003) 262:253–265
- Jakobsen TS, Hansen PB, Jeppesen E, Grønkjær P, Søndergaard M (2003) Impact of three-spined stickleback *Gasterosteus aculeatus* on zooplankton and chl *a* in shallow, eutrophic, brackish lakes. 262:277–284
- Jansen C, see Koschinski S et al. (2003) 265:263–273
- Janssen F, see Berg P et al. (2003) 261:75–83
- Jaquemet S, Le Corre M, Weimerskirch H (2004) Seabird community structure in a coastal tropical environment: importance of natural factors and fish aggregating devices (FADs). 268:281–292
- Jaubert JM, Chisholm JRM, Minghelli-Roman A, Marchioretta M, Morrow JH, Ripley HT (2003) Re-evaluation of the extent of *Caulerpa taxifolia* development in the northern Mediterranean using airborne spectrographic sensing. 263:75–82
- Jeffrey SW, see Zapata M et al. (2004) 270:83–102
- Jenkins GP, see Hamer PA et al. (2003) 263:261–273
- Jeppesen E, see Jakobsen TS et al. (2003) 262:277–284
- Jin T, Qian PY (2004) Effect of amino acids on larval metamorphosis of the polychaete *Hydrodides elegans*. 267:209–218
- Johansson S, see Sandberg J et al. (2004) 268:13–29
- Johns DG, Edwards M, Richardson A, Spicer JI (2003) Increased blooms of a dinoflagellate in the NW Atlantic. 265:283–287
- Johnson D, see McManus MA et al. (2003) 261:1–19
- Johnson JM, see Posey MH et al. (2003) 261:51–61
- Johnstone R, see Wild C et al. (2004) 267:159–171
- Jones GP, see Syms C (2004) 268:221–230
- Jones RJ, Kerswell AP (2003) Phytotoxicity of Photosystem II (PSII) herbicides to coral. 261:149–159
- Jones SH IV, see McClanahan TR et al. (2003) 261:135–147
- Jonkers HM, see Niemann H et al. (2004) 269:91–99
- Jonsson PR, see Karlsson Ö et al. (2003) 261:161–173
- Jørgensen BB, see Berg P et al. (2003) 261:75–83
- Jørgensen OA, see Laidre KL et al. (2003) 261:269–281
- Josefson AB, see Ståhl H et al. (2004) 269:33–48
- K**
- Kamer K, see Fong P et al. (2003) 262:111–123
- Kamykowski D, see Nagai T et al. (2003) 265:17–30
- Kantoussan J, see Panfilo J et al. (2004) 270:241–257
- Karageorgis AP, see Ståhl H et al. (2004) 269:33–48
- Karlsson Ö, Jonsson PR, Larsson AI (2003) Do large seston particles contribute to the diet of the bivalve *Cerastoderma edule*? 261:161–173
- Kathe G, see Koschinski S et al. (2003) 265:263–273
- Kato M, see Hata H (2003) 263:159–167
- Katz T, see Eden N et al. (2003) 263:139–147
- Kawahara S, see Watanabe H et al. (2004) 266:173–184
- Kawamura H, see Tang DL et al. (2004) 268:31–41
- Kelaher BP, Levinton JS (2003) Variation in detrital enrichment causes spatio-temporal variation in soft-sediment assemblages. 261:85–97
- Kelble C, see Lawrence D et al. (2004) 266:1–13
- Keller TA, Powell I, Weissburg MJ (2003) Role of olfactory appendages in chemically mediated orientation of blue crabs. 261:217–231
- Kenchington E, see Henry LA (2004) 266:123–134
- Kenworthy WJ, see Whitfield PE et al. (2004) 267:121–131
- Kerswell AP, see Jones RJ (2003) 261:149–159
- Kicklighter CE, Kubanek J, Barsby T, Hay ME (2003) Palatability and defense of some tropical infaunal worms: alkylpyrrole sulfamates as deterrents to fish feeding. 263:299–306
- Kideys AE, Finenko GA, Anninsky BE, Shiganova TA, Roohi A, Tabari MR, Youseffyan M, Rostamian MT, Rostami H, Negarestan H (2004) Physiological characteristics of the ctenophore *Beroe ovata* in Caspian Sea water. 266:111–121
- Kim SL, see Lenihan HS et al. (2003) 261:63–73
- Kimmel DG, Roman MR (2004) Long-term trends in mesozooplankton abundance in Chesapeake Bay, USA: influence of freshwater input. 267:71–83
- Kingsford MJ, see Patterson HM et al. (2004) 270:229–239
- Kinlan BP, see Thorner CS et al. (2004) 268:69–80
- Kiørboe T, see Jackson GA et al. (2004) 269:153–162
- Kirby DS, see Browman HI (2004) 270:265–287
- Klein B, see Saunders PA et al. (2003) 261:183–199
- Klein Breteler WCM, see Koski M (2003) 264:73–82
- Klinger T, see Duggins DO et al. (2003) 265:57–76
- Kneib RT (2003) Bioenergetic and landscape considerations for scaling expectations of nekton production from intertidal marshes. 264:279–296
- Kneib RT, see Peterson CH et al. (2003) 264:173–175
- Knittel K, see Treude T et al. (2003) 264:1–14
- Koenig CC, see Hanson PJ et al. (2004) 267:253–265
- Koh CH, see Yoo H et al. (2004) 270:141–152
- Kooyman GL, Slinn DB, Stirling I, Bengtson JL (2004) Moult habitat, pre- and post-moult diet and post-moult travel of Ross Sea emperor penguins. 267:281–290
- Koschinski S, Culik BM, Damsgaard Henriksen O, Tregenza N, Ellis G, Jansen C, Kathe G (2003) Behavioural reactions of free-ranging porpoises and seals to the noise of a simulated 2 MW windpower generator. 265:263–273
- Koski M, Klein Breteler WCM (2003) Influence of diet on copepod survival in the laboratory. 264:73–82
- Kostylev VE, see Hargrave BT et al. (2004) 270:55–70
- Kotake A, see Arai T et al. (2004) 266:213–225
- Koutsikopoulos C, see Giannoulaki M et al. (2003) 265:243–253
- Kovacs KM, see Grahl-Nielsen O et al. (2003) 265:275–282
- Kramarsky-Winter E, see Loya Y (2003) 261:299–303
- Kremp A, Shull DH, Anderson DM (2003) Effects of deposit-feeder gut passage and fecal pellet encapsulation on germination of dinoflagellate resting cysts. 263:65–73
- Kristensen E, Mikkelsen OL (2003) Impact of the burrowing polychaete *Nereis diversicolor* on the degradation of fresh and aged macroalgal detritus in a coastal marine sediment. 265:141–153
- Kubanek J, see Kicklighter CE et al. (2003) 263:299–306
- Kubodera T, see Watanabe H et al. (2004) 266:173–184
- Kuo J, see Usher KM et al. (2004) 270:117–127
- Kuosa H, see Raateoja M et al. (2004) 267:9–26
- Kuparinen J, see Moisander PH et al. (2003) 262:81–95
- Kupschus S (2003) Development and evaluation of statistical habitat suitability models: an example based on juvenile spotted seatrout *Cynoscion nebulosus*. 265:197–212
- Kvamme C, Nøttstad L, Fernö A, Misund OA, Dommasnes A, Axelsen BE, Dalpadado P, Melle W (2003) Erratum to Vol 247:197–210. 263:309
- Kwan M, see Fisk AT et al. (2003) 262:201–214
- L**
- Ladah L, Bermudez R, Pearson G, Serrão E (2003) Fertilization success and recruitment of dioecious and hermaphroditic

- fucoid seaweeds with contrasting distributions near their southern limit. 262:173–183
- Laë R, see Panfili J et al. (2004) 270:241–257
- Lagos NA, see Castilla JC et al. (2004) 268:119–130
- Laidre KL, Heide-Jørgensen MP, Dietz R, Hobbs RC, Jørgensen OA (2003) Deep-diving by narwhals *Monodon monoceros*: differences in foraging behavior between wintering areas? 261:269–281
- Lam C, Harder T, Qian PY (2003) Induction of larval settlement in the polychaete *Hydroïdes elegans* by surface-associated settlement cues of marine benthic diatoms. 263: 83–92
- Langdon C, see Griffen BD et al. (2004) 269:223–236
- Larsen JEN, see Petersen JK et al. (2004) 267:187–194
- Larsson AI, see Karlsson Ö et al. (2003) 261:161–173
- Lau STF, see Au DWT et al. (2004) 266:255–264
- Laureillard J, Méjanelle L, Sibuet M (2004) Use of lipids to study the trophic ecology of deep-sea xenophyophores. 270:129–140
- Laurel BJ, Gregory RS, Brown JA (2003) Settlement and distribution of Age-0 juvenile cod, *Gadus morhua* and *G. ogac*, following a large-scale habitat manipulation. 262: 241–252
- Lawrence D, Dagg MJ, Liu H, Cummings SR, Ortner PB, Kelle C (2004) Wind events and benthic–pelagic coupling in a shallow subtropical bay in Florida. 266:1–13
- Lax JL, see Forward RB Jr et al. (2004) 269:237–247
- Le Bouteiller A, see Van Den Broeck N et al. (2004) 268:1–12
- Le Corre M, see Jaquemet S et al. (2004) 268:281–292
- Lee BG, see Yoo H et al. (2004) 270:141–152
- Lee IT, see Yoo H et al. (2004) 270:141–152
- Lee JS, see Yoo H et al. (2004) 270:141–152
- Lee MA, see Tang DL et al. (2004) 268:31–41
- Lee SH, see Saunders PA et al. (2003) 261:183–199
- Lefèvre D, see Sciandra A et al. (2003) 261:111–122
- Lefèvre D, see Van Wambeke F et al. (2004) 269:1–15
- Lehmann A, see Garza-Pérez JR et al. (2004) 269:141–152
- Lehmann MK, Davis RF, Huot Y, Cullen JJ (2004) Spectrally weighted transparency in models of water-column photosynthesis and its inhibition by ultraviolet radiation. 269: 101–110
- Leite FPP, see Turra A (2003) 265:155–163
- Lemée R, see Beauvais S et al. (2003) 262:97–109
- Lemée R, see Sciandra A et al. (2003) 261:111–122
- Lenihan HS, Peterson CH, Kim SL, Conlan KE, Fairey R, McDonald C, Grabowski JH, Oliver JS (2003) Variation in marine benthic community composition allows discrimination of multiple stressors. 261:63–73
- Lenz M, see Molis M et al. (2003) 263:113–125
- Lepoint G, see Das K et al. (2003) 263:287–298
- Leroy Y, see Das K et al. (2003) 263:287–298
- Levin LA, Ziebis W, Mendoza GF, Grownay VA, Tryon MD, Brown KM, Mahn C, Gieskes JM, Rathbun AE (2003) Spatial heterogeneity of macrofauna at northern California methane seeps: influence of sulfide concentration and fluid flow. 265:123–139
- Levinton JS, see Kelaher BP (2003) 261:85–97
- Levy O, Dubinsky Z, Schneider K, Achituv Y, Zakai D, Gorunov MY (2004) Diurnal hysteresis in coral photosynthesis. 268:105–117
- Lindberg WJ, see Powers SP et al. (2003) 264:265–277
- Lindholm J, Auster P, Valentine P (2004) Role of a large marine protected area for conserving landscape attributes of sand habitats on Georges Bank (NW Atlantic). 269: 61–68
- Link JS (2004) Using fish stomachs as samplers of the benthos: integrating long-term and broad scales. 269:265–275
- Lipcius RN, see Gascoigne J (2004) 269:49–59
- Lipcius RN, see Peterson CH (2003) 264:297–307
- Lippert B, see Stibor H et al. (2004) 270:209–215
- Lippert B, see Vadstein O et al. (2004) 270:199–207
- Lipschultz F, see Piniak GA et al. (2003) 262:125–136
- Liu H, see Lawrence D et al. (2004) 266:1–13
- Lokman PM, see Arai T et al. (2004) 266:213–225
- Lombarte A, Popper AN (2004) Quantitative changes in the otolithic organs of the inner ear during the settlement period in European hake *Merluccius merluccius*. 267: 233–240
- Londoño-Cruz E, Cantera JR, Toro-Farmer G, Orozco C (2003) Internal bioerosion by macroborers in *Pocillopora* spp. in the tropical eastern Pacific. 265:289–295
- López-Figueroa F, see Gómez I et al. (2004) 270:103–116
- López-Urrutia Á, see Fernández D et al. (2004) 266:89–101
- Lorenzo J, see Teira E et al. (2003) 265:31–43
- Løseth K, see Vadstein O et al. (2004) 270:199–207
- Loveland RE, see Botton ML et al. (2003) 265:175–184
- Lovengreen C, see Gómez I et al. (2004) 270:103–116
- Lovvorn JR, see Richman SE (2003) 261:283–297
- Lowe CG, see Cartamil DP (2004) 266:245–253
- Loya Y, Kramarsky-Winter E (2003) *In situ* eutrophication caused by fish farms in the northern Gulf of Eilat (Aqaba) is beneficial for its coral reefs: a critique. 261:299–303
- Luettich RA Jr, see Peterson CH et al. (2004) 268:81–92
- Luoma SN, see Yoo H et al. (2004) 270:141–152
- Luschi P, see Hays GC et al. (2003) 262:305–309
- Lydersen C, see Grahl-Nielsen O et al. (2003) 265:275–282

## M

- Machias A, see Giannoulaki M et al. (2003) 265:243–253
- MacIntyre S, see McManus MA et al. (2003) 261:1–19
- Mahn C, see Levin LA et al. (2003) 265:123–139
- Manen CA, see Peterson CH et al. (2003) 264:173–175
- Marçalo A, see Stratoudakis Y et al. (2003) 265:235–242
- Marchioretti M, see Jaubert JM et al. (2003) 263:75–82
- Marinelli RL, Woodin SA (2004) Disturbance and recruitment: a test of solute and substrate specificity using *Mercenaria mercenaria* and *Capitella* sp. 1. 269:209–221
- Marques JC, see Pardal MA et al. (2004) 267:1–8
- Marra J, see Moore TS II et al. (2003) 261:41–49
- Marsden ID (2004) Effects of reduced salinity and seston availability on growth of the New Zealand little-neck clam *Austrovenus stutchburyi*. 266:157–171
- Marshall DJ, Semmens D, Cook C (2004) Consequences of spawning at low tide: limited gamete dispersal for a rock-pool anemone. 266:135–142
- Mate BR, see Baumgartner MF (2003) 264:123–135
- Mate BR, see Baumgartner MF et al. (2003) 264:137–154
- Matsunaga H, see Nakano H et al. (2003) 265:255–261
- Mayer LM, see Wildish DJ et al. (2004) 267:99–105
- Maypa AP, see Russ GR et al. (2003) 264:15–20
- Mbow A, see Panfili J et al. (2004) 270:241–257
- McClanahan TR, Sala E, Stickels PA, Cokos BA, Baker AC, Starger CJ, Jones SH IV (2003) Interaction between nutrients and herbivory in controlling algal communities and coral condition on Glover's Reef, Belize. 261:135–147
- McClelland J, see Piniak GA et al. (2003) 262:125–136
- McClelland JW, see Schmidt K et al. (2004) 266:43–58
- McCormick MI, see Walker SPW (2004) 266:201–212
- McCulloch MT, see Patterson HM et al. (2004) 270:229–239
- McDonald C, see Lenihan HS et al. (2003) 261:63–73
- McGehee DM, see McManus MA et al. (2003) 261:1–19
- McGrath Steer B, see Jackson GD et al. (2003) 264:57–71

- McKinley RS, see Cote D et al. (2003) 265:227–234
- McManus MA, Alldredge AL, Barnard AH, Boss E, Case JF, Cowles TJ, Donaghay PL, Eisner LB, Gifford DJ, Greenlaw CF, Herren CM, Holliday DV, Johnson D, MacIntyre S, McGehee DM, Osborn TR, Perry MJ, Pieper RE, Rines JEB, Smith DC, Sullivan JM, Talbot MK, Twardowski MS, Weidemann A, Zaneveld JR (2003) Characteristics, distribution and persistence of thin layers over a 48 hour period. 261:1–19
- McQuaid CD, see Erlandsson J (2004) 267:173–185
- Méjanelle L, see Laureillard J et al. (2004) 270:129–140
- Melle W, see Kvamme C et al. (2003) 263:309
- Mendoza GF, see Levin LA et al. (2003) 265:123–139
- Mente E, see Schmidt K et al. (2004) 266:43–58
- Merello MF, see Whitfield PE et al. (2004) 267:121–131
- Meyer DL, see Posey MH et al. (2003) 261:51–61
- Meyer V, see Berg P et al. (2003) 261:75–83
- Meziane T, see Mfilinge PL et al. (2003) 265:97–105
- Mfilinge PL, Meziane T, Bachok Z, Tsuchiya M (2003) Fatty acids in decomposing mangrove leaves: microbial activity, decay and nutritional quality. 265:97–105
- Michaud M, de Meeùs T, Renaud F (2004) Environmental sex determination in a parasitic copepod: checking heterogeneity and unpredictability of the environment. 269: 163–171
- Micheli F, see Peterson CH et al. (2004) 268:81–92
- Midthjell L, see Røed KH et al. (2003) 262:299–303
- Mikkelsen B, see Bustamante P et al. (2004) 267:291–301
- Mikkelsen OL, see Kristensen E (2003) 265:141–153
- Miller MJ, see Arai T et al. (2004) 266:213–225
- Minghelli-Roman A, see Jaubert JM et al. (2003) 263:75–82
- Miramand P, see Bustamante P et al. (2004) 269:185–195
- Misund OA, see Kvamme C et al. (2003) 263:309
- Mitani I, see Takasuka A et al. (2004) 270:217–228
- Mitchell R, see Forward RB Jr et al. (2004) 269:237–247
- Moisander PH, Stepp TF, Hall NS, Kuparinen J, Paerl HW (2003) Variability in nitrogen and phosphorus limitation for Baltic Sea phytoplankton during nitrogen-fixing cyanobacterial blooms. 262:81–95
- Moksness E, see van der Meer T (2003) 264:95–107
- Molis M, Lenz M, Wahl M (2003) Radiation effects along a UV-B gradient on species composition and diversity of a shallow-water macrobenthic community in the western Baltic. 263:113–125
- Møller EF, Thor P, Nielsen TG (2003) Production of DOC by *Calanus finmarchicus*, *C. glacialis* and *C. hyperboreus* through sloppy feeding and leakage from fecal pellets. 262:185–191
- Moltschanivskyj NA, see Steen MA et al. (2003) 261:175–182
- Montagnes DJS, see Bulit C et al. (2004) 268:55–67
- Montero MF, see Sebastián M et al. (2004) 270:1–13
- Montoya JP, see Schmidt K et al. (2004) 266:43–58
- Moore TS II, Marra J, Alkatiri A (2003) Response of the Banda Sea to the southeast monsoon. 261:41–49
- Morales CF, see Bustamante P et al. (2004) 267:291–301
- Morales V, see Gómez I et al. (2004) 270:103–116
- Morrer G, see Harvey M (2003) 265:165–174
- Morrow JH, see Jaubert JM et al. (2003) 263:75–82
- Mountain D, Berrien P, Sibunka J (2003) Distribution, abundance and mortality of cod and haddock eggs and larvae on Georges Bank in 1995 and 1996. 263:247–260
- Moutin T, see Van Den Broeck N et al. (2004) 268:1–12
- Muir DCG, see Fisk AT et al. (2003) 262:201–214
- Mullen KM, see Petes LE et al. (2003) 264:167–171
- Mutchler T, Sullivan MJ, Fry B (2004) Potential of  $^{14}\text{N}$  isotope enrichment to resolve ambiguities in coastal trophic relationships. 266:27–33

**N**

- Nagai T, Yamazaki H, Kamikowski D (2003) A Lagrangian photoresponse model coupled with 2nd-order turbulence closure. 265:17–30
- Nahas EL, Jackson G, Pattiariatchi CB, Ivey GN (2003) Hydrodynamic modelling of snapper *Pagrus auratus* egg and larval dispersal in Shark Bay, Western Australia: reproductive isolation at a fine spatial scale. 265:213–226
- Nakano H, Matsunaga H, Okamoto H, Okazaki M (2003) Acoustic tracking of bigeye thresher shark *Alopias superciliosus* in the eastern Pacific Ocean. 265:255–261
- Nausch G, see Nausch M et al. (2004) 266:15–25
- Nausch M, Nausch G, Wasmund N (2004) Phosphorus dynamics during the transition from nitrogen to phosphate limitation in the central Baltic Sea. 266:15–25
- Navarro G, see Brun FG et al. (2003) 265:85–96
- Negarestan H, see Kideys AE et al. (2004) 266:111–121
- Neideman R, Wenngren J, Ólafsson E (2003) Competition between the introduced polychaete *Marenzelleria* sp. and the native amphipod *Monoporeia affinis* in Baltic soft bottoms. 264:49–55
- Nelson NB, see Steinberg DK et al. (2004) 267:45–56
- Ng TYT, Wang WX (2004) Detoxification and effects of Ag, Cd, and Zn pre-exposure on metal uptake kinetics in the clam *Ruditapes philippinarum*. 268:161–172
- Nicholls P, see Ellis J et al. (2004) 270:71–82
- Nicholls PE, see Thrush SF et al. (2003) 263:101–112
- Nichols WJ, see Hays GC et al. (2003) 262:305–309
- Niell FX, see Sebastián M et al. (2004) 270:1–13
- Nielsen TG, see Møller EF et al. (2003) 262:185–191
- Niemann H, Richter C, Jonkers HM, Badran MI (2004) Red Sea gravity currents cascade near-reef phytoplankton to the twilight zone. 269:91–99
- Niermann U, see Bilio M (2004) 269:173–183
- Nilsen T, see Salvanes AGV et al. (2004) 267:241–251
- Ninio R, Delean S, Osborne K, Sweatman H (2003) Estimating cover of benthic organisms from underwater video images: variability associated with multiple observers. 265:107–116
- Nishizaki MT, Ackerman JD (2004) Juvenile-adult associations in sea urchins *Strongylocentrotus franciscanus* and *S. droebachiensis*: Is nutrition involved? 268:93–103
- Norkko A, see Talman SG et al. (2004) 269:197–207
- Norkko A, see Thrush SF et al. (2003) 263:101–112
- Norstrom RJ, see Fisk AT et al. (2003) 262:201–214
- North EW, Houde ED (2003) Erratum to Vol 260:219–236. 264: 309
- Nøttestad L, see Kvamme C et al. (2003) 263:309

**O**

- O'Dor RK, see Parsons DM et al. (2003) 262:253–265
- Ohman MD, see Eiane K (2004) 268:183–193
- Okamoto H, see Nakano H et al. (2003) 265:255–261
- Okazaki M, see Nakano H et al. (2003) 265:255–261
- Ólafsson E, see Neideman R et al. (2003) 264:49–55
- Oliver JS, see Lenihan HS et al. (2003) 261:63–73
- Ollerhead LMN, see Cote D et al. (2003) 265:227–234
- Olsen Y, see Stibor H et al. (2004) 270:209–215
- Olsen Y, see Vadstein O et al. (2004) 270:199–207
- Orozco C, see Londoño-Cruz E et al. (2003) 265:289–295
- Ortner PB, see Lawrence D et al. (2004) 266:1–13
- Osborn TR, see McManus MA et al. (2003) 261:1–19
- Osborne K, see Ninio R et al. (2003) 265:107–116
- Oubelkheir K, see Van Wambeke F et al. (2004) 269:1–15

Ouellette D, Desrosiers G, Gagne JP, Gilbert F, Poggiale JC, Blier PU, Stora G (2004) Effects of temperature on *in vitro* sediment reworking processes by a gallery biodiffusor, the polychaete *Neanthes virens*. 266:185–193

## P

Padmavati G, Ikeda T, Yamaguchi A (2004) Life cycle, population structure and vertical distribution of *Metridia* spp. (Copepoda: Calanoida) in the Oyashio region (NW Pacific Ocean). 270:181–198

Paelr HW, see Moisander PH et al. (2003) 262:81–95

Palanques A, see Company JB et al. (2003) 261:201–216

Panfili J, Durand JD, Mbow A, Guinand B, Diop K, Kantoushan J, Thior D, Thiaw OT, Albaret JJ, Laë R (2004) Influence of salinity on life history traits of the bonga shad *Ethmalosa fimbriata* (Pisces, Clupeidae): comparison between the Gambia and Saloum estuaries. 270:241–257

Pardal MA, Cardoso PG, Sousa JP, Marques JC, Raffaelli D (2004) Assessing environmental quality: a novel approach. 267:1–8

Parsons DM, Babcock RC, Hankin RKS, Willis TJ, Aitken JP, O'Dor RK, Jackson GD (2003) Snapper *Pagrus auratus* (Sparidae) home range dynamics: acoustic tagging studies in a marine reserve. 262:253–265

Pattengill-Semmens CV, see Semmens BX et al. (2004) 266: 239–244

Patterson HM, Kingsford MJ, McCulloch MT (2004) Elemental signatures of *Pomacentrus coelestis* otoliths at multiple spatial scales on the Great Barrier Reef, Australia. 270: 229–239

Pattiaratchi CB, see Nahas EL et al. (2003) 265:213–226

Paulet YM, see Huet M et al. (2004) 270:153–161

Pazos Y, see Varela M et al. (2004) 269:17–32

Pearson G, see Ladah L et al. (2003) 262:173–183

Pecl GT, see Steer MA et al. (2003) 261:175–182

Pedrotti ML, see Beauvais S et al. (2003) 262:97–109

Pepi M, see Ciglenečki I et al. (2003) 263:17–27

Pérez-Lloréns JL, see Brun FG et al. (2003) 265:85–96

Perry MJ, see McManus MA et al. (2003) 261:1–19

Peters EC, see Petes LE et al. (2003) 264:167–171

Peters G, see Grémillet D et al. (2004) 268:265–279

Petersen JK, Bougrier S, Smal AC, Garen P, Robert S, Larsen JEN, Brummelhuis E (2004) Intercalibration of mussel *Mytilus edulis* clearance rate measurements. 267:187–194

Peterson CH, Grabowski JH, Powers SP (2003) Estimated enhancement of fish production resulting from restoring oyster reef habitat: quantitative valuation. 264:249–264

Peterson CH, Kneib RT, Manen CA (2003) Scaling restoration actions in the marine environment to meet quantitative targets of enhanced ecosystem services. 264:173–175

Peterson CH, Lipcius RN (2003) Conceptual progress towards predicting quantitative ecosystem benefits of ecological restorations. 264:297–307

Peterson CH, Luettich RA Jr, Micheli F, Skilleter GA (2004) Attenuation of water flow inside seagrass canopies of differing structure. 268:81–92

Peterson CH, see French McCay DP et al. (2003) 264:197–212

Peterson CH, see Lenihan HS et al. (2003) 261:63–73

Peterson CH, see Powers SP et al. (2003) 264:265–277

Petes LE, Harvell CD, Peters EC, Webb MAH, Mullen KM (2003) Pathogens compromise reproduction and induce melanization in Caribbean sea fans. 264:167–171

Petri R, see Podgorsek L et al. (2004) 266:65–76

Phillips JC, Hurd CL (2003) Nitrogen ecophysiology of intertidal seaweeds from New Zealand: N uptake, storage and

utilisation in relation to shore position and season. 264: 31–48

Phillips RA, Silk JRD, Croxall JP, Afanasyev V, Briggs DR (2004) Accuracy of geolocation estimates for flying seabirds. 266:265–272

Pieper RE, see McManus MA et al. (2003) 261:1–19

Piniak GA, Lipschultz F, McClelland J (2003) Assimilation and partitioning of prey nitrogen within two anthozoans and their endosymbiotic zooxanthellae. 262:125–136

Pinkard D, see Sponaugle S (2004) 267:267–280

Plavšić M, see Ciglenečki I et al. (2003) 263:17–27

Podgorsek L, Petri R, Imhoff JF (2004) Cultured and genetic diversity, and activities of sulfur-oxidizing bacteria in low-temperature hydrothermal fluids of the North Fiji Basin. 266:65–76

Poggiale JC, see Ouellette D et al. (2004) 266:185–193

Pohle GW, see Wildish DJ et al. (2004) 267:99–105

Polito M, see Emslie SD et al. (2003) 262:19–25

Pollino CA, see Au DWT et al. (2004) 266:255–264

Pond DW, see Suhr SB et al. (2003) 262:153–162

Popper AN, see Lombarte A (2004) 267:233–240

Porter JW, see Sutherland KP et al. (2004) 266:273–302

Posey MH, Alphin TD, Meyer DL, Johnson JM (2003) Benthic communities of common reed *Phragmites australis* and marsh cordgrass *Spartina alterniflora* marshes in Chesapeake Bay. 261:51–61

Powell I, see Keller TA et al. (2003) 261:217–231

Powers SP, Grabowski JH, Peterson CH, Lindberg WJ (2003) Estimating enhancement of fish production by offshore artificial reefs: uncertainty exhibited by divergent scenarios. 264:265–277

Powers SP, see Peterson CH et al. (2003) 264:249–264

Powers SP, see Sperduto MB et al. (2003) 264:221–232

Prego R, see Varela M et al. (2004) 269:17–32

Prieur L, see Van Wambeke F et al. (2004) 269:1–15

Prusak AC, see Steinberg DK et al. (2004) 267:45–56

Przeslawski R, Davis AR, Benkendorff K (2004) Effects of ultraviolet radiation and visible light on the development of encapsulated molluscan embryos. 268:151–160

Puig P, see Company JB et al. (2003) 261:201–216

## Q

Qian PY, see Jin T (2004) 267:209–218

Qian PY, see Lam C et al. (2003) 263:83–92

Quétin LB, see Garibotti IA et al. (2003) 261:21–39

Quiñones RA, see Eissler Y et al. (2003) 262:71–80

## R

Raateoja M, Seppälä J, Kuosa H (2004) Bio-optical modelling of primary production in the SW Finnish coastal zone, Baltic Sea: fast repetition rate fluorometry in Case 2 waters. 267:9–26

Raffaelli D, see Pardal MA et al. (2004) 267:1–8

Ramey PA, Snelgrove PVR (2003) Spatial patterns in sedimentary macrofaunal communities on the south coast of Newfoundland in relation to surface oceanography and sediment characteristics. 262:215–227

Rasheed M, see Wild C et al. (2004) 267:159–171

Rathburn AE, see Levin LA et al. (2003) 265:123–139

Raymond B, Woehler EJ (2003) Predicting seabirds at sea in the Southern Indian Ocean. 263:275–285

Read PA, see Ford AT et al. (2003) 265:303–309

Rees TAV (2003) Safety factors and nutrient uptake by seaweeds. 263:29–42

- Renaud F, see Michaud M et al. (2004) 269:163–171
- Reusch TBH, see Billingham MR et al. (2003) 265:77–83
- Richardson A, see Johns DG et al. (2003) 265:283–287
- Richman SE, Lovvorn JR (2003) Effects of clam species dominance on nutrient and energy acquisition by spectacled eiders in the Bering Sea. 261:283–297
- Richter C, see Niemann H et al. (2004) 269:91–99
- Rider SA, see Ford AT et al. (2003) 265:303–309
- Rimmelin P, see Sciandra A et al. (2003) 261:111–122
- Rines JEB, see McManus MA et al. (2003) 261:1–19
- Rinkevich B, Angel D, Shafir S, Bongiorni L (2003) 'Fair is foul and foul is fair': response to a critique. 261:305–309
- Ripley HT, see Jaubert JM et al. (2003) 263:75–82
- Rivkin RB, see Saunders PA et al. (2003) 261:183–199
- Rivkin RB, see Tian RC et al. (2003) 262:1–17
- Robert S, see Petersen JK et al. (2004) 267:187–194
- Roberts DE, see Cummins SP et al. (2004) 266:77–87
- Robinson CD, see Ford AT et al. (2003) 265:303–309
- Rodier M, see Van Den Broeck N et al. (2004) 268:1–12
- Rodríguez F, see Zapata M et al. (2004) 270:83–102
- Røed KH, Fevolden SE, Christiansen JS, Midthjell L (2003) Isolation and characterization of DNA microsatellites for capelin *Mallotus villosus* population genetic studies. 262: 299–303
- Roederer W, see Stibor H et al. (2004) 270:209–215
- Roederer W, see Vadstein O et al. (2004) 270:199–207
- Roman MR, see Kimmel DG (2004) 267:71–83
- Roohi A, see Kideys AE et al. (2004) 266:111–121
- Ropert-Coudert Y, see Grémillet D et al. (2004) 268:265–279
- Rosenberg R, see Grémare A et al. (2004) 267:195–208
- Ross RM, see Garibotti IA et al. (2003) 261:21–39
- Rostami H, see Kideys AE et al. (2004) 266:111–121
- Rostamian MT, see Kideys AE et al. (2004) 266:111–121
- Rowe JJ, see French McCay DP (2003) 264:233–247
- Røy H, see Berg P et al. (2003) 261:75–83
- Royer F, Fromentin JM, Gaspar P (2004) Association between bluefin tuna schools and oceanic features in the western Mediterranean. 269:249–263
- Russ GR, Alcala AC, Maypa AP (2003) Spillover from marine reserves: the case of *Naso vlamingii* at Apo Island, the Philippines. 264:15–20
- Ruxton GD, Houston DC (2004) Energetic feasibility of an obligate marine scavenger. 266:59–63
- Ryan PG, see Grémillet D et al. (2004) 268:265–279
- Ryer CH, Stoner AW, Titgen RH (2004) Behavioral mechanisms underlying the refuge value of benthic habitat structure for two flatfishes with differing anti-predator strategies. 268:231–243
- S**
- Sahlsten E, see Eissler Y et al. (2003) 262:71–80
- Sala E, see McClanahan TR et al. (2003) 261:135–147
- Salomon AK, see Semmens BX et al. (2004) 266:239–244
- Salvanes AGV, Skjæraasen JE, Nilsen T (2004) Sub-populations of coastal cod with different behaviour and life-history strategies. 267:241–251
- Sandberg J, Andersson A, Johansson S, Wikner J (2004) Pelagic food web structure and carbon budget in the northern Baltic Sea: potential importance of terrigenous carbon. 268:13–29
- Sardà F, see Company JB et al. (2003) 261:201–216
- Sauer WHH, see Shaw PW (2004) 270:173–179
- Saunders PA, Deibel D, Stevens CJ, Rivkin RB, Lee SH, Klein B (2003) Copepod herbivory rate in a large arctic polynya and its relationship to seasonal and spatial variation in copepod and phytoplankton biomass. 261:183–199
- Schanz A, Asmus H (2003) Impact of hydrodynamics on development and morphology of intertidal seagrasses in the Wadden Sea. 261:123–134
- Schick AM, see Forward RB Jr et al. (2004) 269:237–247
- Schlekat CE, see Yoo H et al. (2004) 270:141–152
- Schmidt K, McClelland JW, Mente E, Montoya JP, Atkinson A, Voss M (2004) Trophic-level interpretation based on  $\delta^{15}\text{N}$  values: implications of tissue-specific fractionation and amino acid composition. 266:43–58
- Schneider K, see Levy O et al. (2004) 268:105–117
- Sciandra A, Harlay J, Lefèvre D, Lemée R, Rimmelin P, Denis M, Gattuso JP (2003) Response of coccolithophorid *Emilia nia huxleyi* to elevated partial pressure of CO<sub>2</sub> under nitrogen limitation. 261:111–122
- Scranton MI, see Taylor GT et al. (2003) 263:1–15
- Scruton DA, see Cote D et al. (2003) 265:227–234
- Sebastián M, Arístegui J, Montero MF, Niell FX (2004) Kinetics of alkaline phosphatase activity, and effect of phosphate enrichment: a case study in the NW African upwelling region. 270:1–13
- Sedlacek L, see Thistle D (2004) 266:195–200
- Semmens BX, Buhle ER, Salomon AK, Pattengill-Semmens CV (2004) A hotspot of non-native marine fishes: evidence for the aquarium trade as an invasion pathway. 266: 239–244
- Semmens D, see Marshall DJ et al. (2004) 266:135–142
- Sempéré R, see Van Wambeke F et al. (2004) 269:1–15
- Seppälä J, see Raatekoja M et al. (2004) 267:9–26
- Serrão E, see Ladah L et al. (2003) 262:173–183
- Serrão EA, see Billingham MR et al. (2003) 265:77–83
- Shafir S, see Rinkevich B et al. (2003) 261:305–309
- Shaw PW, Sauer WHH (2004) Multiple paternity and complex fertilisation dynamics in the squid *Loligo vulgaris reynaudii*. 270:173–179
- Shiao JC, Iizuka Y, Chang CW, Tzeng WN (2003) Disparities in habitat use and migratory behavior between tropical eel *Anguilla marmorata* and temperate eel *A. japonica* in four Taiwanese rivers. 261:233–242
- Shiganova TA, see Kideys AE et al. (2004) 266:111–121
- Shin PKS, see Au DWT et al. (2004) 266:255–264
- Shull DH, see Kremp A et al. (2003) 263:65–73
- Sibuet M, see Laureillard J et al. (2004) 270:129–140
- Sibunka J, see Mountain D et al. (2003) 263:247–260
- Siddon CE, see Duggins DO et al. (2003) 265:57–76
- Siddon CE, see Eckman JE et al. (2003) 265:45–56
- Siddon CE, Witman JD (2003) Influence of chronic, low-level hydrodynamic forces on subtidal community structure. 261:99–110
- Silk JRD, see Phillips RA et al. (2004) 266:265–272
- Siniff DB, see Kooyman GL et al. (2004) 267:281–290
- Skilleter GA, see Peterson CH et al. (2004) 268:81–92
- Skjæraasen JE, see Salvanes AGV et al. (2004) 267:241–251
- Smaal AC, see Petersen JK et al. (2004) 267:187–194
- Smalley GW, Coats DW, Stoecker DK (2003) Feeding in the mixotrophic dinoflagellate *Ceratium furca* is influenced by intracellular nutrient concentrations. 262:137–151
- Smith CR, see Suhr SB et al. (2003) 262:153–162
- Smith DC, see McManus MA et al. (2003) 261:1–19
- Smith MM, see Forward RB Jr et al. (2004) 269:237–247
- Smith RC, see Garibotti IA et al. (2003) 261:21–39
- Snelgrove PVR, see Ramey PA (2003) 262:215–227
- Solow AR, see Beet A et al. (2003) 262:285–287
- Somarakis S, see Giannoulaki M et al. (2003) 265:243–253
- Søndergaard M, see Jakobsen TS et al. (2003) 262:277–284
- Søreide JE, Hop H, Falk-Petersen S, Gulliksen B, Hansen E (2003) Macrozooplankton communities and environmen-

- tal variables in the Barents Sea marginal ice zone in late winter and spring. 263:43–64
- Sousa JP, see Pardal MA et al. (2004) 267:1–8
- Sperduto M, see Donlan M et al. (2003) 264:213–219
- Sperduto MB, Powers SP, Donlan M (2003) Scaling restoration to achieve quantitative enhancement of loon, seaduck, and other seabird populations. 264:221–232
- Spicer JI, see Johns DG et al. (2003) 265:283–287
- Sponaugle S, Pinkard D (2004) Lunar cyclic population replenishment of a coral reef fish: shifting patterns following oceanic events. 267:267–280
- St. Onge-Burns JM, see Calderone EM et al. (2003) 262: 229–240
- Stachowicz JJ, see Thornber CS et al. (2004) 268:69–80
- Ståhl H, Hall POJ, Tengberg A, Josefson AB, Streftaris N, Zenetos A, Karageorgis AP (2004) Respiration and sequestration of organic carbon in shelf sediments of the oligotrophic northern Aegean Sea. 269:33–48
- Stanganelli ZB, see Vergani DF et al. (2004) 268:293–300
- Starger CJ, see McClanahan TR et al. (2003) 261:135–147
- Steer MA, Pecl GT, Moltschanivskyj NA (2003) Are bigger calamary *Sepioteuthis australis* hatchlings more likely to survive? A study based on statolith dimensions. 261: 175–182
- Steinberg DK, Nelson NB, Carlson CA, Prusak AC (2004) Production of chromophoric dissolved organic matter (CDOM) in the open ocean by zooplankton and the colonial cyanobacterium *Trichodesmium* spp. 267:45–56
- Steppe TF, see Moisander PH et al. (2003) 262:81–95
- Stevens CJ, see Saunders PA et al. (2003) 261:183–199
- Stibor H, Vadstein O, Lippert B, Roederer W, Olsen Y (2004) Calanoid copepods and nutrient enrichment determine population dynamics of the appendicularian *Oikopleura dioica*: a mesocosm experiment. 270:209–215
- Stibor H, see Vadstein O et al. (2004) 270:199–207
- Stickels PA, see McClanahan TR et al. (2003) 261:135–147
- Stirling I, see Kooyman GL et al. (2004) 267:281–290
- Stoecker DK, see Smalley GW et al. (2003) 262:137–151
- Stoner AW, see Ryer CH et al. (2004) 268:231–243
- Stora G, see Ouellette D et al. (2004) 266:185–193
- Stratoudakis Y, Marçalo A, Vale C, Falcão M (2003) Changes in seawater nutrient concentrations during purse seine fishing for sardine *Sardina pilchardus* off northern Portugal. 265:235–242
- Streftaris N, see Ståhl H et al. (2004) 269:33–48
- Suhr SB, Pond DW, Gooday AJ, Smith CR (2003) Selective feeding by benthic foraminifera on phytodetritus on the western Antarctic Peninsula shelf: evidence from fatty acid biomarker analysis. 262:153–162
- Sullivan JM, see McManus MA et al. (2003) 261:1–19
- Sullivan MJ, see Mutchler T et al. (2004) 266:27–33
- Sundt-Hansen L, see Vadstein O et al. (2004) 270:199–207
- Sutherland KP, Porter JW, Torres C (2004) Disease and immunity in Caribbean and Indo-Pacific zooxanthellate corals. 266:273–302
- Sutton DC, see Usher KM et al. (2004) 270:117–127
- Sweatman H, see Ninio R et al. (2003) 265:107–116
- Sweijd NA, see Evans BS et al. (2004) 270:163–172
- Syms C, Jones GP (2004) Habitat structure, disturbance and the composition of sand-dwelling goby assemblages in a coral reef lagoon. 268:221–230
- T
- Tabari MR, see Kideys AE et al. (2004) 266:111–121
- Takahashi M, Watanabe Y (2004) Growth rate-dependent recruitment of Japanese anchovy *Engraulis japonicus* in the Kuroshio–Oyashio transitional waters. 266:227–238
- Takasuka A, Aoki I, Mitani I (2004) Three synergistic growth-related mechanisms in the short-term survival of larval Japanese anchovy *Engraulis japonicus* in Sagami Bay. 270:217–228
- Talbot MK, see McManus MA et al. (2003) 261:1–19
- Talman SG, Norkko A, Thrush SF, Hewitt JE (2004) Habitat structure and the survival of juvenile scallops *Pecten novaezealandiae*: comparing predation in habitats with varying complexity. 269:197–207
- Tang DL, Kawamura H, Van Dien T, Lee MA (2004) Offshore phytoplankton biomass increase and its oceanographic causes in the South China Sea. 268:31–41
- Tang JYM, see Au DWT et al. (2004) 266:255–264
- Tarrant AM, Atkinson MJ, Atkinson S (2004) Effects of steroid estrogens on coral growth and reproduction. 269: 121–129
- Taylor DL (2003) Size-dependent predation on post-settlement winter flounder *Pseudopleuronectes americanus* by sand shrimp *Crangon septemspinosa*. 263:197–215
- Taylor DL, Collie JS (2003) Effect of temperature on the functional response and foraging behavior of the sand shrimp *Crangon septemspinosa* preying on juvenile winter flounder *Pseudopleuronectes americanus*. 263:217–234
- Taylor GT, Way J, Yu Y, Scranton MI (2003) Ectohydrolase activity in surface waters of the Hudson River and western Long Island Sound estuaries. 263:1–15
- Teegarden GJ, see Baumgartner MF et al. (2003) 264:155–166
- Teira E, Abalde J, Álvarez-Ossorio MT, Bode A, Cariño C, Cid Á, Fernández E, González N, Lorenzo J, Valencia J, Varela M (2003) Plankton carbon budget in a coastal wind-driven up-welling station off A Coruña (NW Iberian Peninsula). 265:31–43
- Tengberg A, see Ståhl H et al. (2004) 269:33–48
- Tester PA, Cohen JH, Cervetto G (2004) Reverse vertical migration and hydrographic distribution of *Anomalocera ornata* (Copepoda: Pontellidae) in the US South Atlantic Bight. 268:195–204
- Teyssié JL, see Bustamante P et al. (2004) 269:185–195
- Thejll P, see Guisande C et al. (2004) 269:297–301
- Thiaw OT, see Panfili J et al. (2004) 270:241–257
- Thior D, see Panfili J et al. (2004) 270:241–257
- Thistle D, Sedlacek L (2004) Emergent and non-emergent species of harpacticoid copepods can be recognized morphologically. 266:195–200
- Thompson JM, see Forward RB Jr et al. (2004) 269:237–247
- Thompson RJ, see Tian RC et al. (2003) 262:1–17
- Thor P, see Moller EF et al. (2003) 262:185–191
- Thornber CS, Kinlan BP, Graham MH, Stachowicz JJ (2004) Population ecology of the invasive kelp *Undaria pinnatifida* in California: environmental and biological controls on demography. 268:69–80
- Thrush SF, Hewitt JE, Norkko A, Nicholls PE, Funnell GA, Ellis JI (2003) Habitat change in estuaries: predicting broad-scale responses of intertidal macrofauna to sediment mud content. 263:101–112
- Thrush SF, see Talman SG et al. (2004) 269:197–207
- Tian RC, Deibel D, Thompson RJ, Rivkin RB (2003) Modeling of climate forcing on a cold-ocean ecosystem, Conception Bay, Newfoundland. 262:1–17
- Titelman J, see Irigoien X et al. (2003) 262:193–200
- Titgen RH, see Ryer CH et al. (2004) 268:231–243
- Tiwari A, see Botton ML et al. (2003) 265:175–184
- Toonen RJ (2004) Genetic evidence of multiple paternity of broods in the intertidal crab *Petrolisthes cinctipes*. 270: 259–263

- Toro-Farmer G, see Londoño-Cruz E et al. (2003) 265:289–295  
 Torres C, see Sutherland KP et al. (2004) 266:273–302  
 Toze S, see Usher KM et al. (2004) 270:117–127  
 Tregenza N, see Koschinski S et al. (2003) 265:263–273  
 Tréguer P, see Beucher C et al. (2004) 267:57–69  
 Treude T, Boetius A, Knittel K, Wallmann K, Barker Jørgensen B (2003) Anaerobic oxidation of methane above gas hydrates at Hydrate Ridge, NEPacific Ocean. 264: 1–14  
 Tryon MD, see Levin LA et al. (2003) 265:123–139  
 Tsimenides N, see Giannoulaki M et al. (2003) 265:243–253  
 Tsuchiya M, see Mfilinge PL et al. (2003) 265:97–105  
 Tsukamoto K, see Arai T et al. (2004) 266:213–225  
 Turra A, Leite FPP (2003) The molding hypothesis: linking shell use with hermit crab growth, morphology, and shell-species selection. 265:155–163  
 Twardowski MS, see McManus MA et al. (2003) 261:1–19  
 Tyler PA, see Howell KL et al. (2004) 266:103–110  
 Tzeng WN, see Chang CW et al. (2004) 269:277–288  
 Tzeng WN, see Shiao JC et al. (2003) 261:233–242

**U**

- Ulla A, see Guisande C et al. (2004) 269:297–301  
 Ulloa N, see Gómez I et al. (2004) 270:103–116  
 Underwood AJ (2004) Landing on one's foot: small-scale topographic features of habitat and the dispersion of juvenile intertidal gastropods. 268:173–182  
 Usher KM, Sutton DC, Toze S, Kuo J, Fromont J (2004) Biogeography and phylogeny of *Chondrilla* species (Demospongiae) in Australia. 270:117–127

**V**

- Vadstein O, Stibor H, Lippert B, Løseth K, Roederer W, Sundt-Hansen L, Olsen Y (2004) Moderate increase in the biomass of omnivorous copepods may ease grazing control of planktonic algae. 270:199–207  
 Vadstein O, see Stibor H et al. (2004) 270:209–215  
 Vale C, see Stratoudakis Y et al. (2003) 265:235–242  
 Valencia J, see Teira E et al. (2003) 265:31–43  
 Valentine P, see Lindholm J et al. (2004) 269:61–68  
 Van Den Broeck N, Moutin T, Rodier M, Le Bouteiller A (2004) Seasonal variations of phosphate availability in the SW Pacific Ocean near New Caledonia. 268:1–12  
 van der Meer T, Moksness E (2003) Growth and mortality patterns evaluated from otolith microstructure in Atlantic cod *Gadus morhua* larvae reared on different feeding regimes in mesocosms. 264:95–107  
 Van Dien T, see Tang DL et al. (2004) 268:31–41  
 Van Wambeke F, Lefèvre D, Prieur L, Sempére R, Bianchi M, Oubelkheir K, Bruyant F (2004) Distribution of microbial biomass, production, respiration, dissolved organic carbon and factors controlling bacterial production across a geostrophic front (Almeria-Oran, SW Mediterranean Sea). 269: 1–15  
 Vaqué D, see Vidal M et al. (2003) 262:43–53  
 Varela M, Prego R, Pazos Y (2004) Vertical biogenic particle flux in a western Galician ria (NW Iberian Peninsula). 269: 17–32  
 Varela M, see Teira E et al. (2003) 265:31–43  
 Venezia JI, see Forward RB Jr et al. (2004) 269:237–247  
 Vergani DF, Stanganelli ZB, Bilenca D (2004) Effects of El Niño and La Niña events on the sex ratio of southern elephant seals at King George Island. 268:293–300

- Vergara JJ, see Brun FG et al. (2003) 265:85–96  
 Vernet M, see Garibotti IA et al. (2003) 261:21–39  
 Vidal M, Duarte CM, Agustí S, Gasol JM, Vaqué D (2003) Alkaline phosphatase activities in the central Atlantic Ocean indicate large areas with phosphorus deficiency. 262:43–53  
 Villa E, see Beauvais S et al. (2003) 262:97–109  
 Vojvodić V, see Ciglenečki I et al. (2003) 263:17–27  
 Voss M, see Schmidt K et al. (2004) 266:43–58

**W**

- Wahl M, see Molis M et al. (2003) 263:113–125  
 Walker SPW, McCormick MI (2004) Otolith-check formation and accelerated growth associated with sex change in an annual protogynous tropical fish. 266:201–212  
 Wallmann K, see Treude T et al. (2003) 264:1–14  
 Wang WX, see Ng TYT (2004) 268:161–172  
 Wang WX, Wong RSK (2003) Bioaccumulation kinetics and exposure pathways of inorganic mercury and methylmercury in a marine fish, the sweetlips *Plectorhinchus gibbosus*. 261:257–268  
 Warnau M, see Bustamante P et al. (2004) 269:185–195  
 Wasmund N, see Nausch M et al. (2004) 266:15–25  
 Watanabe H, Kubodera T, Ichii T, Kawahara S (2004) Feeding habits of neon flying squid *Ommastrephes bartramii* in the transitional region of the central North Pacific. 266: 173–184  
 Watanabe Y, see Takahashi M (2004) 266:227–238  
 Way J, see Taylor GT et al. (2003) 263:1–15  
 Webb AP, Eyre BD (2004) Effect of natural populations of burrowing thalassinidean shrimp on sediment irrigation, benthic metabolism, nutrient fluxes and denitrification. 268: 205–220  
 Webb MAH, see Petes LE et al. (2003) 264:167–171  
 Weeks SJ, see Grémillet D et al. (2004) 268:265–279  
 Weidemann A, see McManus MA et al. (2003) 261:1–19  
 Weimerskirch H, see Jaquemet S et al. (2004) 268:281–292  
 Weissburg MJ, see Keller TA et al. (2003) 261:217–231  
 Wellington GM, see Caldow C (2003) 265:185–195  
 Wells BK, Friedland KD, Clarke LM (2003) Increment patterns in otoliths and scales from mature Atlantic salmon *Salmo salar*. 262:293–298  
 Wenngren J, see Neideman R et al. (2003) 264:49–55  
 Werner U, see Wild C et al. (2004) 267:159–171  
 Whitfield PE, Kenworthy WJ, Durako MJ, Hammerstrom KK, Merello MF (2004) Recruitment of *Thalassia testudinum* seedlings into physically disturbed seagrass beds. 267: 121–131  
 Wielgus J (2003) The coral reef of Eilat (northern Red Sea) requires immediate protection. 263:307  
 Wiig Ø, see Grahl-Nielsen O et al. (2003) 265:275–282  
 Wikner J, see Sandberg J et al. (2004) 268:13–29  
 Wild C, Rasheed M, Werner U, Franke U, Johnstone R, Huettel M (2004) Degradation and mineralization of coral mucus in reef environments. 267:159–171  
 Wildish DJ, Hughes-Clarke JE, Pohle GW, Hargrave BT, Mayer LM (2004) Acoustic detection of organic enrichment in sediments at a salmon farm is confirmed by independent groundtruthing methods. 267:99–105  
 Williams ID, see Holmes SP et al. (2004) 268:131–140  
 Williams JA, see Chinnery FE (2003) 263:149–157  
 Williams TM, see Davis RW et al. (2003) 264:109–122  
 Willis TJ, see Parsons DM et al. (2003) 262:253–265  
 Witman JD, see Siddon CE (2003) 261:99–110  
 Woehler EJ, see Raymond B (2003) 263:275–285

- Wong RSK, see Wang WX (2003) 261:257–268  
Woodin SA, see Marinelli RL (2004) 269:209–221  
Wotherspoon S, see Jackson GD et al. (2003) 264:57–71  
Wright SW, see Zapata M et al. (2004) 270:83–102  
Wu RSS, see Au DWT et al. (2004) 266:255–264

**Y**

- Yakovleva I, Hidaka M (2004) Differential recovery of PSII function and electron transport rate in symbiotic dinoflagellates as a possible determinant of bleaching susceptibility of corals. 268:43–53  
Yamaguchi A, see Padmavati G et al. (2004) 270:181–198  
Yamazaki H, see Gallager SM et al. (2004) 267:27–43  
Yamazaki H, see Nagai T et al. (2003) 265:17–30  
Yin K (2003) Influence of monsoons and oceanographic processes on red tides in Hong Kong waters. 262:27–41  
Yoo H, Lee JS, Lee BG, Lee IT, Schlekat CE, Koh CH, Luoma SN (2004) Uptake pathway for Ag bioaccumulation in three benthic invertebrates exposed to contaminated sediments. 270:141–152

- Youseffyan M, see Kideys AE et al. (2004) 266:111–121  
Yu Y, see Taylor GT et al. (2003) 263:1–15

**Z**

- Zakai D, see Levy O et al. (2004) 268:105–117  
Zamon JE (2003) Mixed species aggregations feeding upon herring and sandlance schools in a nearshore archipelago depend on flooding tidal currents. 261:243–255  
Zamzow JP (2003) Ultraviolet-absorbing compounds in the mucus of temperate Pacific tidepool sculpins: variation over local and geographic scales. 263:169–175  
Zaneveld JR, see McManus MA et al. (2003) 261:1–19  
Zapata M, Jeffrey SW, Wright SW, Rodríguez F, Garrido JL, Clementson L (2004) Photosynthetic pigments in 37 species (65 strains) of Haptophyta: implications for oceanography and chemotaxonomy. 270:83–102  
Zdanowicz VS, see Hanson PJ et al. (2004) 267:253–265  
Zenetas A, see Ståhl H et al. (2004) 269:33–48  
Ziebis W, see Levin LA et al. (2003) 265:123–139  
Zimmerman KD, see Cummins SP et al. (2004) 266:77–87