

## PDF's of selected publications (numbers correspond to full CV)

4. Loya Y., L.B. Slobodkin (1971). The coral reefs of Eilat (Gulf of Eilat, Red Sea).  
*Proc. Zool. Soc. London* 28: 117-140.
5. Loya Y., (1972). Community structure and species diversity of hermatypic corals at Eilat, Red Sea.  
*Mar. Biol.*, 13: 100-123.
6. Loya Y., (1975). Possible effects of water pollution on the community structure of Red Sea corals.  
*Mar. Biol.*, 29: 177-185.
7. Richman S., Y. Loya & L.B. Slobodkin (1975). The rate of mucus production by corals and its assimilation by the coral reef copepod *Acartia negligens*. *Limno. & Oceanog.*: 20:918-923.
9. Loya Y., (1976a). The Red Sea coral *Stylophora pistillata* is an r-strategist.  
*Nature*, 259: 478-480.
10. Loya Y. (1976b). Recolonization of Red Sea corals affected by natural catastrophes and man-made perturbations *Ecology* 57:278-289.
11. Loya Y. (1976c). Effects of water turbidity and sedimentation on community structure of Puerto Rican corals.  
*Bull. Mar. Sci.* 26:450-466.
12. Y Loya Y., (1976d). Skeletal regeneration rate in a Red Sea scleractinian coral population.  
*Nature*, 261: 490-491.
19. Loya Y.,(1978). Plotless and transect methods. In: Monographs on Oceanic Methodology. *Coral Reefs: Research Methods*. D R. Stoddart and R.E. Johannes (eds.). UNESCO Press, 5: 197-218.
20. Bradbury R.H., Y. Loya (1978). A heuristic analysis of spatial patterns of hermatypic corals at Eilat, Red Sea. *Amer. Natur.*, 112: 439-507.
21. Loya Y, B. Rinkevich (1979). Abortion effects in corals induced by oil-pollution.  
*Mar. Ecol. Prog. Ser.*, 1: 77-80.
22. Rinkevich B., Y. Loya (1979). The reproduction of the Red Sea coral *Stylophora pistillata*.

- I. Gonads and planulae. *Mar. Ecol. Prog. Ser.*, 2: 133-144.
23. Rinkevich B. & Y. Loya (1979). **The reproduction of the Red Sea coral *Stylophora pistillata*. II. Synchronization in breeding and seasonality of planulae shedding.** *Mar. Ecol. Prog. Ser.*, 2: 145-152.
27. Loya Y., B. Rinkevich (1980). **Effects of oil pollution on coral reef communities.** *Mar. Ecol. Prog. Ser.*, 2: 167-180. **Effects of oil pollution on coral reef communities.**
28. Benayahu Y., Y. Loya (1981). **Competition for space among coral-reef sessile organisms at Eilat, Red Sea.** *Bull. Mar. Sci.*, 31: 514-522
29. Slobodkin L.B., Y. Loya (1981). **The Background and History of Ecology in Israel.** In: *Handbook of Contemporary Developments in World Ecology*, E.J. Kormondy and J.F. McCormick (Eds.) Greenwood Press pp. 549-559.
34. Rinkevich B., Y. Loya (1983) **Intraspecific Competitive Networks in the Red Sea Coral *Stylophora pistillata*.** *Coral Reefs* 1:161-172.
35. Rinkevich B., Y. Loya (1983). **Oriented translocation of energy in grafted reef corals.** *Coral Reefs*, 1: 243-247
36. Benayahu Y., Y. Loya (1983). **Surface brooding in the Red Sea soft coral *Parerythropodium fulvum fulvum* (Forskal, 1775).** *Biol. Bull.* 165:353-369.
37. Rinkevich B., Y. Loya (1983). **Short term fate of photosynthetic products in a hermatypic coral.** *Jour. Exp. Mar. Biol. and Ecol.* 73: 175-184.
38. Benayahu Y., Y. Loya (1984). **Life history of the Red Sea soft coral *Xenia macrospiculata* Gohar, 1940. I. Annual dynamics f gonadal development.** *Biol. Bull.* 166:32-43
42. Loya Y., G. Bull and M. Pichon. (1984). **Tumor formations in scleractinian corals.** *Helgol. wiss. Meeres.*, 37: 99-112.
43. Rinkevich B., Y. Loya (1984). **Coral illumination through an optic glass-fiber: incorporation of <sup>14</sup>C photosynthates.** *Mar. Biol.* 80:7-15.
- 44.

- Benayahu Y., Y. Loya (1984). Substratum preferences and planulae settling of two Red Sea soft corals: *Xenia macrospiculata* and *Parerythropodium fulvum fulvum*. *J. Exp. Mar. Biol. Ecol.* 83:249-261.
46. Rinkevich B., Y. Loya (1985). Intraspecific competition in a reef coral: effects on growth and reproduction. *Oecologia*, 66: 100-105.
47. Muscatine L., L.R. McCloskey and Y. Loya (1985). A comparison of the growth rates of zooxanthellae and animal tissue in the Red Sea coral *Stylophora pistillata* Fifth Int. Coral Reef Congress, Tahiti, 6:119-123.
50. Schlesinger Y., Y. Loya (1985). Coral community reproductive patterns: Red Sea versus the Great Barrier Reef. *Science*, 228: 1333-1335.
52. Rinkevich B., Y. Loya (1986). Senescence and dying signals in a reef-building coral. *Experientia*, 42: 320-322.
53. Bradbury R.H., Y. Loya, R.E. Reichelt & W. T. Williams (1986). Patterns in the structural typology of benthic communities: Patterns in the structural typology of benthic communities on two coral reefs of the Central Great Barrier Reef. *Coral Reefs*, 4:161-167
54. .  
Reichelt R.E., Y. Loya & R.H. Bradbury (1986). Patterns of the use of space by benthic communities on two coral reefs of the Great Barrier Reef. *Coral Reefs* 5: 73-79
64. Klein R., Y. Loya, G. Gvirtzman, P.S. Isdale and M. Susic (1990). Seasonal rainfall in the Sinai desert during the late Quaternary inferred from fluorescent bands in fossil corals. *Nature*, 345: 145-147.
65. Ilan M., Y. Loya (1990). Sexual reproduction and settlement of a coral reef sponge *Chalinula* sp. from the Red Sea. *Mar. Biol.* 105: 25-31.
66. Chadwick N. E. & Y. Loya (1990). Regeneration after experimental breakage in the solitary reef coral *Fungia granulosa*. *J. Exp. Mar. Biol. Ecol.* 142: 22-234.
68. Loya Y. (1990). Changes in a Red Sea Coral Community Structure: A Long-Term Case History Study.  
In: The Earth in Transition: Patterns and Processes of Biotic Impoverishment, G.M. Woodwell (ed.), Cambridge University Press, pp. 369-384.
- 71.

- Klein R., Y. Loya (1991). **Skeletal growth and density patterns of two scleractinian corals from the Gulf of Eilat, Red Sea.** *Mar. Ecol. Prog. Ser.* 77: 253-259.
72. Lazar B., Y. Loya (1991). **Bioerosion of coral reefs - a chemical approach.** *Limnol. and Oceanogr.*, 36: 377-383.
74. Hirsch S., A. Rudi, Y. Kashman & Y. Loya (1991). **New avarol and avarone derivatives from the marine sponge *Dysidea cinerea*** *J. Nat. Prod.* 54: 92-97.
75. Mokady O., D. B. Bonar, G. Arazi and Y. Loya (1991). **Coral host specificity in settlement and metamorphosis of the date mussel *Lithophaga lessepsiana* (Vaillant 1865).** *J. Exp. Mar. Biol. Ecol.* 146: 205-216.
78. Klein R., J. Pätzold, G. Wefer & Y. Loya (1992). **Seasonal variations in the stable isotopic composition and skeletal density pattern of the coral *Porites lobata* (Gulf of Eilat, Red Sea).** *Mar. Biol.* 112: 259-263.
79. Lotan A., R. Ben-Hillel & Y. Loya (1992). **Life cycle of *Rhopilema nomadica*: a new immigrant scyphomedusan in the Mediterranean.** *Mar. Biol.* 112:237-242.
80. Mokady O., G. Arazi, D. Bonar & Y. Loya (1992). **Settlement and metamorphosis specificity of *Lithophaga simplex* Irdale (Bivalvia: Mytilidae) on Red Sea corals.** *J.Exp. Mar. Biol. Ecol.* 162: 243-251
- .
81. Chadwick N.E., Y. Loya (1992). **Migration, habitat use and competition among mobile fungiid corals in the Gulf of Eilat, Red Sea.** *Mar. Biol.* 114: 617-623.
83. Mokady O., D. B. Bonar, G. Arazi & Y. Loya (1993). **Spawning and development of three coral-associated *Lithophaga* species in the Red Sea.** *Mar. Biol.* 115: 245-252.
84. Abelson A., T. Miloh and Y. Loya (1993). **Flow patterns induced by substratum and body morphology of benthic organisms and their role in determining food particle availability** *Limnol. and Oceanogr.*, 38:1116-1124.
88. Shashar N., Y. Cohen, and Y. Loya (1993). **Extreme diel fluctuations of oxygen in the diffusive boundary layers surrounding stony corals.** *Biol. Bull.* 185: 455- 461.
91. Abelson A., D. Weihs and Y. Loya (1994). **Hydrodynamic impedance to settlement of marine propagules and trailing filament solutions.** *Limnol. and Oceanogr.*, 39: 164-169.

92. Shashar N., T. Feldstein, Y. Cohen and **Y. Loya** (1994). Nitrogen fixation (acetylene reduction) on a coral reef,  
*Coral Reefs*, 13: 171-174.
96. Abelson A., **Y. Loya** (1995). Cross scale patterns of particulate-food acquisition in marine benthic environments.  
*Amer. Natur.*, 145: 848-854.
98. Lotan A., L. Fishman, **Y. Loya** and E. Zlotkin (1995). **Delivery of nematocyst toxin.**  
*Nature*, 375: 456-457.
102. Mokady O., B. Lazar and **Y. Loya** (1996). **Echinoid Bioerosion as a major structuring force of Red Sea coral reefs.** *Biol. Bull.* 190:367-372
103. Kushmaro A., **Y. Loya**, M.Fine and E. Rosenberg (1996).**Bacterial infection and coral bleaching.**  
*Nature*, 380: 396.
108. Kushmaro A., E. Rosenberg, M. Fine and **Y. Loya** (1997). **Bleaching of the coral *Oculina patagonica* by Vibrio AK-1.** *Mar. Ecol. Prog. Ser.* 147:159-165.
110. Kramarsky-Winter E., M. Fine and **Y. Loya** (1997). **Coral polyp expulsion.**  
*Nature*, 387:137
113. Oren U., B. Rinkevich and Y. Loya (1997). **Oriented intra-colonial transport of 14C labeled materials during coral regeneration.** *Ecol. Prog. Ser.* 161:117-
118. Shlesinger Y., T. L. Goulet & **Y. Loya** (1998). **Reproductive patterns of scleractinian corals in the northern Red Sea.** *Mar. Biol.* 132:691-701.
122. Oren U., I. Brickner and **Y. Loya** (1998). **Prudent sessile feeding by the corallivore snail *Coralliophila violacea* on coral energy sinks.** *Proc. Roy. Soc .Biol. Sci.*, 265:2043-2050.
127. Stone L., A. Huppert, and **Y. Loya** (1999). **Mass coral reef bleaching: a recent outcome of increased El-Nino activity?** *Ecology Letters* 2:325-330.
137. Oren U., Y. Benayahu, H. Lubinevsky and **Y. Loya** (2001). **Colony integration during regeneration in the stony coral *Favia favus*.** *Ecology*, 82: 802-813.
138. **Loya Y.**, K. Sakai, K. Yamazato, Y. Nakano, H. Sembali, and R. van Woesik (2001). **Coral bleaching: the winners and the losers.** *Ecology Letters*, 4:122-131.
139. Fine M., H. Zibrowius and **Y. Loya** (2001). ***Oculina patagonica* : a non- lessepsian scleractinian coral invading the Mediterranean Sea.** *Mar. Biol.* 138: 1195-1203.

142. Choresh O., E. Ron and **Y. Loya** (2001). **The 60-kDa Heat Shock Protein (HSP60) of the sea anemone *Anemonia sulcata*: a potential early warning system for monitoring environmental changes.** *Mar. Biotech.*, 3: 501-508.
147. Fine M, **Y. Loya** (2002). **Endolithic algae and coral bleaching.** *Proc. Roy. Soc. of London - Biological Science* 269: 1205-1210
150. Fine M., **Y. Loya** (2003). **Alternate competitive superiority during coral bleaching.** *Mar. Biol.* 142: 989-996.
151. **Loya Y.**, E. Kramarsky-Winter (2003). **In situ eutrophication caused by fish farms in the northern Gulf of Eilat (Aqaba) is beneficial for its coral reefs: a critique.** *Mar. Ecol. Prog. Ser.* 261:299-303
154. Rosenfeld, A. Shemesh and **Y. Loya** (2003) **Implication of water depth on stable isotope composition and skeletal and density banding.** *Coral Reefs*, 22: 337-345.
157. **Loya Y.** (2004). **The coral reefs of Eilat- past, present and future: Three decades of coral community structure studies.** In: *Coral Reef Health and Disease*; Rosenberg and Loya (Eds). Springer-Verlag; Berlin Heidelberg, New York. pp. 1-34.
162. **Loya Y**, H. Lubinevsky, M. Rosenfeld and E. Kramarsky-Winter (2004). **Nutrient enrichment caused by *in situ* fish-farms is detrimental to coral reproduction.** *Mar. Pollut. Bull.* 49: 344-353
164. **Loya Y.**, M. Rosenfeld and E. Kramarsky-Winter (2005). **Nutrient enrichment and coral reproduction: empty vessels make the most sound (response to a critique by B. Rinkevich).** *Mar. Pollut. Bull.* 50: 114-118.
165. Nozawa Y., **Y. Loya** (2005). **Genetic relationship and maturity state of the allore cognition system affect contact reactions in juvenile scleractinian corals.** *Mar. Ecol. Prog. Ser.* 286:115-123
167. Shenkar N., M. Fine and **Y. Loya** (2005). **Size matters: - bleaching dynamics of the coral *Oculina patagonica*.** *Mar. Ecol. Prog. Ser.* 294: 181-188.
169. Kelman D, Y. Kashman, E. Rosenberg, A. Kushmaro and **Y. Loya** (2006). **Antimicrobial activity of Red Sea corals.** *Mar. Biol.* 149: 357–363
170. Brickner I., U. Frank, U. Oren, and **Y. Loya** (2006). **Energy integration between the solitary polyps of the clonal coral *Lobophyllia corymbosa*.** *Jour. of Exp. Biol.* 209: 1690-1695

171. Shenkar N., M. Fine, E. Winter and **Y. Loya** (2006). **Population dynamics of zooxanthella during a bacterial bleaching event.** *Coral Reefs*, 25: 223–227
172. Rosenfeld M, A. Shemesh R. Yam and **Y. Loya** (2006). **18O record of Porites spp. corals during the 1998-bleaching event in Sesoko Island, Okinawa, Japan.** *Mar. Ecol. Prog. Ser.*, 314: 127–133.
173. Reshef L., O. Koren, **Y. Loya**, I. Zilber-Rosenberg and E. Rosenberg (2006). **The Coral probiotic hypothesis,** *Environ. Microbiol.* 8:2068-2073
174. Winters G., S. Beer and **Y. Loya** (2006). **In situ measured seasonal variations in Fv /Fm of two common Red Sea corals.** *Coral Reefs* 25:593-598
175. Efrony R., **Y. Loya**, E. Bacharach and E. Rosenberg (2007). **Phage therapy of coral Disease.** *Coral Reefs* 26: 7-13
176. Ainsworth T.D., E. Kramasky-Winter, **Y. Loya**, O. Hoegh-Guldberg and M. Fine (2007). **Coral Disease Diagnostics: What's between a plague and a band?** *Appl. Environ. Microb.* 73: 981-992
177. Loya Y. (2007). **How to influence environmental decision makers? The case of Eilat (Red Sea) coral reefs.** *Jour. Exp .Mar. Biol. Ecol.* 73: 35-53.
178. Choresh O., A. Azem and **Y. Loya** (2007). Over-expression of highly conserved mitochondrial 70-kDa heat-shock protein in the sea anemone *Anemonia viridis*. *Jour. of Thermal Biol.* 32: 367–373
179. Zvuloni A., Y. Artzy-Randrup, L. Stone, R. van Woesik and **Y. Loya** (2008). **Ecological size-frequency distributions: how to prevent and correct biases in spatial sampling** *Limno. and Oceanog. : Methods*, 6: 144-15.
180. Shenkar N., Y. Zeldman and **Y. Loya** (2008). Ascidian recruitment patterns on an artificial reef in Eilat (Red Sea). *Biofouling* 1-2:119-128.  
.
181. Harel M, Ben Dov E, Rasoulouniriana D , Siboni N , Kramarsky-Winter E, **Loya Y.** Barak Z WiesmanZ and Kushmaro A. (2008). A new Thraustochytrid, strain Fng1, isolated from the surface-mucus of the hermatypic coral *Fungia granulosa*. *FEMS Microbiol. Ecol.* 1-10.  
.
182. Zvuloni Assaf, Rachel Armoza-Zvuloni1 and **Yossi Loya** (2008). **Structural deformation and growth inhibition of branching corals associated with the vermatid gastropod *Dendropoma maxima*** *Mar. Ecol. Prog. Ser* 363:103-108.

185. Y. Loya and K. Sakai (2008). **Bidirectional sex change in mushroom corals.** *Proc. Roy. Soc. Biol. B* 275:2335-3343.
186. Shenkar N., Y. Loya (2008). **Ecology and systematics of the ascidian fauna in the Gulf of Eilat (Aqaba).** In “Aqaba-Eilat, the Improbable Gulf. Environment, Biodiversity and Preservation” Ed. F.D Por, Magnes, Jerusalem. pp 197-208.
187. Shenkar,N. ,O. Bronstein and Y. Loya (2008) **population dynamics of a coral reef ascidian in a deteriorating environment.** *Mar. Ecol. Prog. Ser.*, 367:163-171.
188. Shenkar N. Y. Loya (2008). **The solitary ascidian *Herdmania momus* : native (Red Sea) versus non-indigenous (Mediterranean) populations .** *Biol. Inv.* 10: 1431-1439.
189. Zvuloni A., Y. Artzy-Randrup, L. Stone, E. Kramarsky-Winter, R. Barkan and Y. Loya (2009). **Spatio-temporal transmission patterns of black-band disease in a coral community.** *PLoS ONE* 4:1-10.
190. Schlesinger Ami, Eliahu Zlotkin, Esti Kramarsky-Winter and Y. Loya (2009). **Cnidarian internal stinging mechanism.** *Proc. Roy. Soc. Biol. B* 276:1063-1067.
191. Gidon Winters, Sven Beer and Yossi Loya (2009). **Spatial and temporal photoacclimation of *Stylophora pistillata* : zooxanthella size, pigmentation, location and clade.** *Mar. Ecol. Prog. Ser.* 384:107-119.
192. Rosenberg Eugene Ariel Kushmaro, Esti Kramarsky-Winter, Hudi Banin, and Yossi Loya (2008). **The role of microorganisms in coral bleaching.** *Inter. Soc. Micr. Ecol. (ISME)* 3: 139-146.
193. Alamaru A., R. Yam, A. Shemesh and Y. Loya (2009). **Trophic Biology of Coral Larvae: Evidence from Stable Isotope Analysis** *Mar. Ecol. Prog. Ser.* 383:85-94.
194. Schlesinger A., E. Kramarsky-Winter and Y. Loya (2009). **Active nematocyst isolation via nudibranchs** *Mar. Biotechnol.* 11:441–444.
195. Alamaru A., O.Bronstein, G.Dishon and Y.Loya (2009). **Opportunistic feeding by the fungiid coral *Fungia scruposa* on the moon jellyfish *Aurelia aurita*.** *Coral reefs* 28:865
196. Kramarsky-Winter E., C. A. Downs, A, Downs and Y. Loya (2009). **Cellular responses in the coral *Stylophora pistillata* exposed to eutrophication from fish mariculture.** *Evol. Ecol. Res.* 11: 1–21.

197. Vizel M., E.Kramarsky-Winter and Y.Loya (2009). **Mushroom coral regeneration from a detached stalk.** *Coral reefs* 28:939.
198. Tsagkogeorga G., X. Turon, R. Hopcroft, M.-Ka Tilak, T. Feldstein, N. Shenkar **Y. Loya**, D. Huchon, E. Douzery and F. Delsuc (2009) An updated 18S rRNA phylogeny of tunicates based on mixture and secondary structure models. *BMC Evolutionary Biology* 9: 187-203.
199. Shenkar N. **Y. Loya** (2009). **Non-indigenous ascidians (Phylum: Chordata, Subphylum: Tunicata) along the Mediterranean coast of Israel** *Mar. Biod. Rec.* doi:10.1017/S1755267209990753;Vol.2;e166;
200. Schlesinger A., R. Goldshmid, M. G. Hadfield, E. Kramarsky-Winter and Y. Loya (2009). **Laboratory culture of the aeolid nudibranch *Spurilla neapolitana* (Mollusca, Opisthobranchia): life history aspects.** *Mar Biol* 156: 753-761.
201. Downs C. A., E. Kramarsky-Winter, J. Martinez, A. Kushmaro, C.M. Woodley, **Y. Loya**, G. K. Ostrander (2009). **Symbiophagy as a Cellular Mechanism for Coral Bleaching.** *Autophagy* 5: 211-216.
202. Kelman D., Y. Kashman, R. Hill, E. Rosenberg and Y. Loya (2009). **Chemical warfare in the sea: The search for antibiotics from Red Sea corals and sponges.** *Pure Appl. Chem.* 6:1113-1121.
203. Downs C.A., E. Kramarsky-Winter, C. M. Woodley, A. Downs, G. Winters, Y. Loya, Gary K. Ostrander (2009). **Cellular pathology and histopathology of hypo-salinity exposure on the coral *Stylophora pistillata*.** *Science Tot. Envir* 407: 4838-4851.
205. Alamaru A., Y. Loya, E. Brokovich, R. Yam and A. Shemesh (2009) **Carbon and nitrogen utilization in two species of Red Sea corals along a depth gradient; insights from stable isotope analysis of lipids.** *Geoch. and Cosmoch. Acta* 73:5333-5342.
206. Winters G., R. Holzman, A. Blekhman, S. Beer and Y. Loya (2009). **Photographic assessment of coral chlorophyll contents: Implications for ecophysiological studies and coral monitoring.** *Jour. Exp. Mar. Biol. Ecol* . 380: 25-35.
207. Arotsker L., N. Siboni, E. Ben-Dov, E. Kramarsky-Winter, Y. Loya and A. Kushmaro (2009). ***Vibrio* sp. as a potentially important member of the Black Band Disease (BBD) consortium in *Favia* sp. corals.** *FEMS Microbiol Ecol* 70: 515-524.
208. Singh T. R., G. Tsagkogeorga, F. Delsuc, S. Blanquart, N. Shenkar, **Y. Loya**, E.J.P Douzery and D. Huchon Tunicate mitogenomics and phylogenetics: peculiarities of the *Herdmania*

*momus* mitochondrial genome and support for the new chordate phylogeny. **BMC Genomics** 10 :534doi:10.1186/1471-2164-10-534s.

209. Loya Y., K. Sakai and A. Heyward (2009). **Reproductive patterns of fungiid corals in Okinawa , Japan.** *Galaxea Jour. of Coral Reef Stud.* 11: 119-129.
210. Zvuloni A., R. van Woesik and Y. Loya (2010) **Diversity Partitioning of Stony Corals Across Multiple Spatial Scales Around Zanzibar Island, Tanzania.** *PLoS ONE* 5(3):e9941.doi:10.1371/journal.pone.0009941.
211. . Siboni N, D. Rasoulouniriana, E. Ben-Dov, E. Kramarsky-Winter, A. Sivan, Y. Loya , O. H. Guldberg and A. Kushmaro (2010) . Stramenopile Microorganisms Associated with the Massive Coral *Favia* sp *J. Eukaryot. Microbiol.* . pp.1–9.
212. Schlesinger A., E. Kramarsky-Winter, H. Rosenfeld, R. Armoza-Zvoloni and Y. Loya (2010). **Sexual plasticity and self-fertilization in the sea anemone *Aiptasia diaphana*.** *PLoS ONE* 5(7):e11874. doi:10.1371/journal.pone.0011874.
213. Brickner I. , Y. Loya and Y. Achituv (2010). Diverse life strategies in two coral-inhabiting barnacles occupying the same host (*Cyphastrea chalcidicum*), in the northern Gulf of Eilat . *Jour. Exp .Mar. Biol. Ecol.* 392:220-227.
214. Mizrahi I., Y. Loya, M. Rosenfeld, E. Kramarski- Winter, R. Yam and A. Shemesh (2010). **The stable isotope composition of newly formed skeleton in the stony coral Porites spp.** *Geochimica et Cosmochimica Acta* 74:7021–7030.
215. Vizel M, Y. Loya, C. A. Downs and E. Kramarsky-Winter (2010). **A novel method for coral explant culture and micropagation.** *Mar. Biotechnol.* DOI10.1007/s10126-010-9313-z
216. Wild et al (2011). **Climate change impedes scleractinian corals as primary reef ecosystem engineers.** *Marine and Freshwater Research* 62:205–215.
217. Bronstein O. and Y. Loya (2011) **Day time spawning of *Porites rus* on the coral reefs of Chumbe Island in Zanzibar , Western Indian Ocean (WIO).** *Coral Reefs* 30:44
218. R. Armoza-Zvuloni , E. Kramarsky-Winter & Y. Loya (2011). **Repeated bleaching events may result in high tolerance and notable gametogenesis in stony corals: *Oculina patagonica* as a model.** *Mar. Ecol. Prog. Ser.* . 426:149-159.

219. Mora C., O. Aburto-Oropeza, A. Ayala-Bocos S. Banks ... Y. Loya, et al. (2011). **Global human foot print on the linkage between biodiversity and ecosystem functioning in reef fishes.** *PloS Bio* 19(4):e1000606.doi:10.1371/journal.pbio.1000606220.
220. Eyal G., L. Eyal-Shaham and Y. Loya (2011). "Teeth-anchorage": sleeping behavior of a Red-Sea filefish on a branching coral. *Coral Reefs* 30: 707
221. Woesik R. van, K. Sakai, A. Ganase & Y. Loya (2011). **Revisiting the winners and the losers a decade a decade after coral bleaching** *Mar. Ecol. Prog. Ser.* . 434:67-76
222. Polak O., Y. Loya , I. Brickner and Y. Benayahu (2011). **The widely distributed indo-pacific zooanthid *Palythoa tuberculosa*: a sexually conservative strategist.** *Bull. Mar. Sci* 87:605-621
223. Atad A., A. Zvuloni, Y. Loya and E. Rosenberg (2012). **Phage therapy of the white plague- Like disease of *Favia favus* in the Red Sea.** *Coral Reefs* 31: 665-670.
224. Armoza-Zvuloni, R., E. Kramarsky-Winter, H. Rosenfeld, L.S Shore, D Sharon & Y. Loya (2012). **Reproductive characteristics and steroid levels in the scleractinian coral *Oculina patagonica* inhabiting contaminated sites along the Israeli Mediterranean coast.** *Mar. Pollut. Bull.* 64:1556-1563
225. Ojimi MC., Y. Loya and M. Hidaka (2012). **Sperm of the solitary coral *Ctenactis echinata* exhibit a longer telomere than that of somatic tissue.** *Zoological Studies* 51: 1475-1480.
226. Paramasivam N., E. Ben-Dov, L. Arotsker, E.Winter, A. Zvuloni, Y. Loya and A. Kushmar (2013). **Bacterial consortium of *Millepora dichotoma* exhibiting unusual multifocal lesion event in the Gulf of Eilat, Red Sea.** *Microb. Ecol.* 65:50-59.
227. Shashank Keshavmurthy et al. (2013). **DNA barcoding reveals the coral “laboratory-rat”, *Stylophora pistillata* encompasses multiple identities.** *Scientific Reports* 3: DOI: 10.1038/srep01520 March 22, 2013.
228. Bronstein O. & Y. Loya (2013). **The taxonomy and phylogeny of echinometra (camarodonta: echinometridae) from the red sea and Western Indian ocean.** *PLoS ONE* Volume: 8 Issue: 10 Pages: e77374 DOI: 10.1371/journal.pone.0077374.
229. Mills E., K. Shechtman, Y. Loya & E. Rosenberg (2013). **Bacteria cause and prevent bleaching of the coral *Oculina patagonica*.** *Mar. Ecol. Prog. Ser* 48: 155-162

230. Kramarsky-Winter E, L. Arotsker, D. Rasoulouniriana, N. Siboni, **Y. Loya** and A. Kushmaro (2013). **The Possible Role of Cyanobacterial Filaments in Coral Black- Band Disease PathologyInvert.**  
*Microb.* DOI 10.1007/s00248-013-0309 published on line 20.10. 2013.
231. Downs CA, McDougall KE, Woodley CM, Fauth JE, Richmond RH, Kushmaro A, Gibb AS, **Loya Y**, Ostrander GK and E. Kramarsky-Winter (2013). **Heat-Stress and Light-Stress Induce Different Cellular Pathologies in the Symbiotic Dinoflagellate during Coral Bleaching.**  
*PLoS ONE* 8(12): e77173. doi:10.1371/journal.pone.0077173
232. Downs C.A., Kramarsky-Winter E., Fauth J. E., Segal R., Bronstein O., Jeger, R., Lichtenfeld, Y., Woodley M., Pennington P., Kushmaro A. & **Y. Loya** (2013). **Toxicological effects of the sunscreen UV filter, benzophenone-2, on planulae and in vitro cells of the coral *Stylophora pistillata*.** *Ecotoxicology* 23: 175-191.
233. Armoza- Zvuloni R., E. Kramarsky-Winter, **Y. Loya**, A. Schlesinger & H. Rosenfeld (2013). **A unique sexual system in a sea anemone provides first evidence of trioecy in the animal kingdom.**  
*Journal of Reproduction*. DOI:10.1095/biolreprod.113.114116.
234. Bronstein O. & **Y. Loya** (2014). **Echinoid community structure and rates of herbivory and bioerosion on exposed and sheltered reefs.** *Jour. Exp .Mar. Biol. Ecol* .456: 8-17.
235. **Loya Y.**, A. Genin A., Al-Zibdah M., Naumann MS. & C.Wild (2014). **Reviewing the status of coral reef ecology of the Red Sea - the need to consider key topics and relevant research.** *Coral Reefs*, 33:1179–1180
236. Bronstein O. & **Y. Loya** (2014). **Photoperiod, temperature and food availability as drivers of the annual reproductive cycle of the sea urchin *Echinometra* sp. from on the Gulf of Aqaba (Red Sea)** *Coral Reefs*, DOI 10.1007/s00338-014-1209-3.
237. Ben-Zvi O., Eyal G., & **Y. Loya** (2014). **Depth-dependent fluorescence in the *Galaxea fascicularis***  
*Hydrobiolgy* DOI 10.1007/s10750-014-2063-6
238. Lavy Adi ,Gal Eyal, Benjamin Neal, Ray, **Yossi Loya** and Micha Ilan (2015).  
**A quick, easy, and non-intrusive method for underwater volume and surface area evaluation of benthic organisms by 3D computer modeling .***Methods in Ecology and Evolution*; DOI: 10.1111/2041-210X.12331
239. Zvuloni A. G. Katriel, Y. Artzy-Randrup, **Y. Loya** & L. Stone (2015). **Modeling the impact of white-plague coral disease in climate change scenarios.**  
*PLOS Computational Biology* 11(6) DOI: 10.1371/journal.pcbi.1004151

240. Eyal G, J. Wiedenmann, M. Grinblat, C. D'Angelo, E. Kramarsky-Winter, T. Treibitz, O. Ben-Zvi, Y. Shaked, T. B. Smith, S. Harii, V. Denis, T. Noyes, R. Tamir and Y. Loya (2015). **Spectral Diversity and Regulation of coral fluorescence in a mesophotic reef habitat in the Red Sea.** *PLoS one* 10(6): DOI: 10.1371/journal.pone.0128697
241. Alamaru Ada, Brokovich Eran and **Yossi Loya** (2015). **Four new species and three new records of benthic ctenophores (Family: Coeloplanidae) from the Red Sea.** *Mar. Biodiv.* 46: 261-279. DOI: 10.1007/s12526-015-0362-4
242. Downs CA, Esti Kramarsky-Winter, Roee Segal, John Fauth, Sean Knutson, Omri Bronstein, Frederic R. Ciner, Cheryl M. Woodley, Ariel Kushmaro, **Yossi Loya** (2015). Toxicopathological Effects of the Sunscreen UV Filter, Oxybenzone (Benzophenone-3), on Coral Planulae and Cultured Primary Cells and Its Environmental Contamination in Hawaii and the U.S. Virgin Islands. *Arch. Environ. Contam. Toxicol.* 70: 265-288. DOI: 10.1007/s00244-015-0227-7
243. Eyal G, Eyal-Shaham L, Cohen I, Tamir R, Ben-Zvi O, Sinniger-Harii F and **Y. Loya** (2016). *Euphyllia paradivisa*: A successful mesophotic coral in the northern Gulf of Eilat/Aqaba, Red Sea. *Coral Reefs*, 35:91–102. DOI: 10.1007/s00338-015-1372-1
244. **Loya** Y, Eyal G, Treibitz T, Lesser MP and R Appeldoorn (2016) Theme section on mesophotic coral ecosystems: Advances in knowledge and future perspectives. *Coral Reefs*, 35:1-9. DOI: 10.1007/s00338-016-1410-7
245. Shlesinger Tom, Omri Bronstein and **Yossi Loya** (2016) Spawning behavior of the sand dollar *Sculpsitechinus auritus* (Leske, 1778) *Coral Reefs*, 35:327. DOI: 10.1007/s00338-016-1399-y
246. Eyal-Shaham L, Eyal G, Tamir R, **Loya** Y (2016) Reproduction, abundance and survivorship of two *Alveopora* spp. in the mesophotic reefs of Eilat, Red Sea. *Sci. Rep.* 6:20964. DOI: 10.1038/srep20964
247. Bejbom Oscar, Tali Treibitz, David I. Kline, Gal Eyal, Adi Khen, Benjamin Neal, **Yossi Loya**, Greg B. Mitchell and David Kriegman (2016) Improved Automated Annotation of Underwater Benthic Photographs Using Fluorescence Imaging. *Sci. Rep.* 6:23166. DOI: 10.1038/srep23166.
248. Hume BCC, Voolstra C, Arif C, D'Angelo C, Burt J; Eyal G; **Loya** Y & Wiedenmann J (2016) Ancestral symbiont diversity enabled rapid adaptation of reef corals to climate change. *Proc. Nat. Acad. of Sci.* 113:4416-4421. DOI: 10.1073/pnas.1601910113
249. Shlesinger Tom and **Yossi Loya** (2016) Recruitment, mortality and resilience potential of scleractinian corals at Eilat, Red Sea *Coral Reefs* 35:1357-1368. DOI: 10.1007/s00338-016-1468-2
250. Bronstein O, Kroh A and **Y. Loya** (2016). Reproduction of the long-spined sea urchin *Diadema setosum* in the Gulf of Aqaba - implications of the use of gonad-indexes. *Scientific Reports* 6:29569. DOI: 10.1038/srep29569
251. Rapuano H., I. Brickner, T. Shlesinger, E. Meroz-Fine, R. Tamir and **Y. Loya** (2017). Reproductive strategies of the coral *Turbinaria reniformis* in the northern Gulf of Aqaba (Red Sea).

- Scientific Reports*** 7: 42670. DOI: [10.1038/srep42670](https://doi.org/10.1038/srep42670)
252. Akkaynak Derya, Tali Treibitz1, Tom Shlesinger, Raz Tamir, **Yossi Loya**, and David Iluz (2017) What Is the Space of Attenuation Coefficients in Underwater Computer Vision? ***Proc. IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)***, 568-577. DOI: [10.1109/CVPR.2017.68](https://doi.org/10.1109/CVPR.2017.68)
253. **Loya Y** (2017) Novel Achievements in Coral-Reef Research in a Period of Global Climate Change: Japan-Israel Workshop, ***Trends in Sciences*** 3:86-91. DOI:[10.5363/tits.22.3\\_86](https://doi.org/10.5363/tits.22.3_86)
254. Shlesinger, T. N Shenkar & **Y Loya** (2017). Gamete spawning of the ascidian *Phallusia nigra* in the Red Sea. ***Bull. Mar. Sci.*** 93: 959-960. DOI: [10.5343/bms.2017.1009](https://doi.org/10.5343/bms.2017.1009)
255. Feldman B., T. Shlesinger and **Y. Loya** (2018). Mesophotic coral-reef environments depress the reproduction of the coral *Paramontastraea peresi* in the Red Sea. ***Coral reefs*** 37:201–214. DOI: [10.1007/s00338-017-1648-8](https://doi.org/10.1007/s00338-017-1648-8)
256. Grinblat Mila, Fine Maoz, Tikochinski Yaron and **Yossi Loya** (2018). Effects of ocean acidification conditions on *Stylophora pistillata* fluorescence in the northern Gulf of Eilat, Red Sea. ***Coral Reefs*** 37:309–320. DOI: [10.1007/s00338-017-1648-8](https://doi.org/10.1007/s00338-017-1648-8)
257. Shlesinger, T., M. Grinblat, H. Rapuano, T. Amit, and **Y. Loya** (2018). Can mesophotic reefs replenish shallow reefs? Reduced coral reproductive performance casts a doubt. ***Ecology*** 99: 421-437.
258. Shlesinger Tom and **Yossi Loya** (2018). Mass medusae release and temporal reproductive segregation among the three Red Sea fire coral species. ***Ecology*** 100 (4). DOI: [10.1002/ecy.2581](https://doi.org/10.1002/ecy.2581)
259. Liberman R, Shlesinger T, **Loya Y** and Benayahu Y (2018) Octocoral sexual reproduction: Temporal disparity between mesophotic and shallow-reef populations. ***Front. Mar. Sci.*** 5:1-14. doi.org/10.3389/fmars.2018.00445
260. Shlesinger Tom and **Yossi Loya** (2019). Photos describing the article: Mass medusae release and temporal reproductive segregation among the three Red Sea fire coral species. ***Bull. Ecol. Soc. Amer.*** 100 (2). DOI: [10.1002/bes2.1508](https://doi.org/10.1002/bes2.1508)
261. Eyal Gal, Itay Cohen, Lee Eyal-Shaham, Or Ben-Zvi, Yaron Tikochinsky and **Yossi Loya** (2019). Photoacclimation and induction of light-enhanced calcification in the mesophotic coral *Euphyllia paradoxa*. ***Royal Society Open Science*** 6:180527 DOI: [10.1098/rsos.180527](https://doi.org/10.1098/rsos.180527)
262. Kramer Netanel, Gal Eyal, Raz Tamir, & **Yossi Loya** (2019). Upper mesophotic depths in the coral reefs of Eilat, Red Sea, offer suitable refuge grounds for coral settlement ***Sci. Rep.*** 9:2263. DOI: [10.1038/s41598-019-38795-1](https://doi.org/10.1038/s41598-019-38795-1)
263. Eyal-Shaham Lee, Gal Eyal, Saki Harii, Kazuhiko Sakai, Fredric Sinniger, Omri Bronstein, Or Ben-Zvi, Tom Shlesinger & **Yossi Loya** (2019). Repetitive sex change in the stony coral *Herpolitha limax* across a wide geographic range ***Sci. Rep.*** 9:2936. DOI: [10.1038/s41598-018-37619-y](https://doi.org/10.1038/s41598-018-37619-y)
264. Ben-Zvi Or, Gal Eyal and Yossi Loya (2019) Response of fluorescence morphs of the mesophotic coral *Euphyllia paradoxa* to ultra-violet radiation ***Sci. Rep.*** 9: 9245. DOI: [10.1038/s41598-019-41710-3](https://doi.org/10.1038/s41598-019-41710-3)
265. Eyal G, Raz Tamir, Nati Kramer, Lee Eyal-Shaham and **Yossi Loya** (2019). How Mesophotic Coral Ecosystems vary geographically? The Red Sea: Israel. In: **Loya Y**, Puglise KA, Bridge TCL

- (eds) Mesophotic Coral Ecosystems of the world, Springer, New York pp 199-214.  
[doi.org/10.1007/978-3-319-92735-0\\_11](https://doi.org/10.1007/978-3-319-92735-0_11)
266. Shlesinger T. & **Yossi Loya** (2019). Sexual reproduction of scleractinian corals at mesophotic coral ecosystems vs. shallow reefs. In: **Loya Y**, Puglise KA, Bridge TCL (eds) Mesophotic Coral Ecosystems of the world, Springer, New York, pp. 653-666  
[doi.org/10.1007/978-3-319-92735-0\\_35](https://doi.org/10.1007/978-3-319-92735-0_35)
267. Watanabe T, Watanabe TK, Yoneta S, Sowa K, Yamazaki ,A, Sinniger F, Eyal G, **Loya Y**, Harii (2019). Coral sclerochronology: similarities and differences in coral isotopic signatures between mesophotic and shallow water reefs. In: **Loya Y**, Puglise KA, Bridge TCL (eds) Mesophotic coral ecosystems. Springer, New York pp 666-680 [doi.org/10.1007/978-3-319-92735-0\\_36](https://doi.org/10.1007/978-3-319-92735-0_36)
268. Shlesinger Tom and **Yossi Loya** (2019) Breakdown of spawning synchrony silently threatens coral synchrony silently threatens coral persistence. *Science*, 365:1002-1007.
269. Tamir Raz, Gal Eyal, Netanel Kramer, Jack H. Laverick and Yossi Loya (2019) Light environment drives the shallow to mesophotic coral community transition. *Ecosphere* 10(9)1-18.  
[DOI:10.1002/ecs2.2839](https://doi.org/10.1002/ecs2.2839)
270. Meron Dalit, Landow-Maor Keren, Weizman Eviatar, Waldman ben Asher Hiba, Eyal Gal, Banin Ehud, **Loya Yossi**, and Oren Levy (2019) The algal symbiont modifies the transcriptome of the scleractinian coral *Euphyllia paradvisa* during heat stress. *Microorganisms* 7, 256
271. Turner JA, Andradi-Brown DA, Gori A, Bongaerts P, Ferrier-Pagès C, Voolstra CR, Weinstein DK, Bridge TCL, Laverick J, **Loya Y**, Goodbody-Gringley G, Rossi S, Taylor ML, Woodall LC, Eyal G (2019) Key questions for research and conservation of mesophotic coral ecosystems and temperate mesophotic ecosystems. In: **Loya Y**, Puglise KA, Bridge TCL (eds) Mesophotic coral ecosystems. Springer, New York pp. 989-1003. [doi.org/10.1007/978-3-319-92735-0\\_52](https://doi.org/10.1007/978-3-319-92735-0_52)
272. **Loya Y**, Puglise KA, Bridge TCL (eds) (2019) **Mesophotic Coral Ecosystems. Coral Reefs of the World** Vol.12. Springer, New York 1005 p.
273. Tamir, Raz; Eyal, Gal; Cohen, Itay; **Loya, Yossi**; (2020) Light pollution effects on the early life stages of the most abundant northern Red Sea coral *Microorganisms* 8, 193;  
[DOI.org/10.3390/microorganisms8020193](https://doi.org/10.3390/microorganisms8020193)
274. Ben-Zvi Or, Raz Tamir, Nir Keren, Dan Tchernov, Ilana Berman-Frank, Yuval Kolodny, Tal Benaltabet, Harel Bavli, Mor Friedman, Noga Glanz-Idan, Hadar Traugott, **Yossi Loya**, Gal Eyal (2020) Photophysiology of a mesophotic coral 3 years after transplantation to a shallow environment *Coral Reefs* 39: 903–913. [doi.org/10.1007/s00338-020-01910-0](https://doi.org/10.1007/s00338-020-01910-0)

- 275.** Kleinhaus K, Al-Sawalmih A, Barshis DJ, Genin A, Grace LN, Hoegh-Guldberg O, **Loya Y**, Meibom A, Osman EO, Ruch J-D, Shaked Y, Voolstra CR, Zvuloni A and Fine M (2020) Science, Diplomacy, and the Red Sea's Unique Coral Reef: It's Time for Action. *Front. Mar. Sci.* 7:90.  
[doi: 10.3389/fmars.2020.00090](https://doi.org/10.3389/fmars.2020.00090)
- 276.** Laverick Jack, Raz Tamir , Gal Eyal and **Yossi Loya** (2020).  
[A Generalized Light-Driven Model of Community Transitions along Coral Reef Depth Gradients.](#)  
*Global Ecology and Biogeography* 29: 1554-1564.  
[doi.org/10.1111/geb.13140](https://doi.org/10.1111/geb.13140)
- ~~277. Raz Tamir, Or Ben-Zvi, Gal Eyal, Netanel Kramer and **Yossi Loya** (2020) Reciprocal transplantation between shallow and mesophotic stony corals, *Mar. Environ. Res.* 161: 105035.  
[doi.org/10.1016/j.marenvres.2020.105035](https://doi.org/10.1016/j.marenvres.2020.105035)~~
- 279.** Kramer Netanel, Raz Tamir, Gal Eyal, **Yossi Loya** (2020) Coral morphology portrays the spatial population size-structure along a 5-100 m depth gradient. *Front. Mar. Sci.* 7:615.  
[doi.org/10.3389/fmars.2020.00615](https://doi.org/10.3389/fmars.2020.00615).
- 280.** Prasetya Rian, Zi Wei Lim, Aaron Teo, Tom Shlesinger, Yossi Loya, and Peter A. Todd (2020). Population dynamics and growth rates of free-living mushroom corals in the sediment-stressed reefs of Singapore. In: **Advances in Marine Biology** Vol. 87, B.M Riegl (ed.) pp. 111-140, Academic Press, 472 p. [doi.org/10.1016/bs.amb.2020.08.002](https://doi.org/10.1016/bs.amb.2020.08.002)
- 281.** Eyal-Shaham Lee, Gal Eyal, Or Ben-Zvi, Kazuhiko Sakai, Saki Harii, Frederic Sinniger, Mamiko Hirose, Patrick Cabaitan, Omri Bronstein, Bar Feldman, Tom Shlesinger, Oren Levy and **Yossi Loya** (2020). A unique reproductive strategy in the mushroom coral *Fungia fungites* *Coral Reefs* 39:1793-1804. [doi.org/10.1038/s41598-018-37619-y](https://doi.org/10.1038/s41598-018-37619-y)

282. Ben-Zvi Or, Eyal Ofer, Gal Eyal and Yossi Loya (2021). Experimental evidence of temperature-induced bleaching in two fluorescence morphs of a Red Sea mesophotic coral  
*Coral Reefs*, 40:187-199. [doi.org/10.1007/s00338-020-02027-0](https://doi.org/10.1007/s00338-020-02027-0)
283. Shlesinger T. and Yossi Loya (2021) Depth-dependent parental effects create invisible barriers to coral dispersal  
*Comm. Biol.*, 4:202. [doi.org/10.1038/s42003-021-01727-9](https://doi.org/10.1038/s42003-021-01727-9)
284. Baird Andrew et al (2021) An Indo-Pacific coral spawning database .  
*Sci. data* 8:35.  
[doi.org/10.1038/s41597-020-00793-8](https://doi.org/10.1038/s41597-020-00793-8)
285. Yuval M., I. Alonso, G. Eyal, D. Tchernov, **Y. Loya**, A. C. Murillo, and T. Treibitz (2021) Repeatable semantic reef-mapping through photogrammetry and label-augmentation  
*Remote Sensing*, 13: 659. [doi.org/10.3390/rs13040659](https://doi.org/10.3390/rs13040659)
286. Weinstein, David K., Raz Tamirb, Netanel Kramer, Gal Eyal, Igal Berenshtein, Yonathan Shaked, **Yossi Loya**, Adi Torfsteina (2021) Mesophotic reef geomorphology categorization, habitat identification, and relationships with surface cover and terrace formation in the Gulf of Aqaba  
*Geomorphology*, 379, [doi.org/10.1016/j.geomorph.2020.107548](https://doi.org/10.1016/j.geomorph.2020.107548)
287. Eyal Gal, Lee Eyal-Shaham, **Yossi Loya** (2021) Symbiodiniaceae conduct under natural bleaching stress during advanced gametogenesis stages of a mesophotic coral; *Coral Reefs* 1-6.  
[doi.org/10.1007/s00338-021-02082-1](https://doi.org/10.1007/s00338-021-02082-1)
288. Ben-Zvi Or, Daniel Wangpraseurt, Omri Bronstein, Gal Eyal, Yossi Loya (2021). Photosynthesis and Bio-Optical Properties of Fluorescent Mesophotic Corals. *Front. Mar. Sci.* 8, 651601. [doi.org/10.3389/fmars.2021.651601](https://doi.org/10.3389/fmars.2021.651601)
289. Shlesinger T, Derya Akkaynak and **Yossi Loya** (2021)  
Who is smashing the reef at night? A nocturnal mystery  
*Ecology* 102 (10): e03420. 10.1002/ecy.3420. [doi: 10.1002/ecy.3420](https://doi.org/10.1002/ecy.3420)
290. Netanel Kramer, Raz Tamir, Or Ben-Zvi, Steven L. Jacques,  
**Yossi Loya**, Daniel Wangpraseurt (2021) Efficient light-harvesting of mesophotic corals is facilitated by coral optical traits.  
*Functional Ecology*. [doi.org/10.1111/1365-2435.13948](https://doi.org/10.1111/1365-2435.13948)

291. Shlesinger, T., D. Akkaynak, and **Y. Loya** (2021) Nightly Reef Breaker: The Cryptic Behavior of a Coral-Reef Crab.  
*Bull. Ecol. Soc. Am.* 102(4): e01914. [doi.org/10.1002/bes2.1914](https://doi.org/10.1002/bes2.1914)
292. Grinblat Mila, Ira Cooke, Tom Shlesinger, Or Ben-Zvi, **Yossi Loya**, David Miller and Cowman (2021) Biogeography, reproductive biology and phylogenetic divergence within the Fungiidae.  
*Mol. Phylo.& Evol.* 164 107265. [doi.org/10.1016/j.ympev.2021.107265](https://doi.org/10.1016/j.ympev.2021.107265)
293. Baird et al. (2021) An Indo-Pacific coral spawning database  
*Sci Data* 8 (1) 1-9. [doi: 10.1038/s41597-020-00793-8](https://doi.org/10.1038/s41597-020-00793-8)
294. Kramer N, Eyal G, Tamir R, and **Y. Loya** (2022) Growth and survival dynamics of mesophotic coral juveniles in shallow reefs. *Mar. Ecol Prog Ser* 682:237-242. [doi.org/10.3354/meps13956](https://doi.org/10.3354/meps13956)
295. Baird et al. (2022) A coral spawning calendar for Sesoko Station, Okinawa, *Galaxea Journal of Coral Reef Studies* 24: 1-9. [doi.org/10.3755/galaxea.G2021\\_S10O](https://doi.org/10.3755/galaxea.G2021_S10O)
296. Levy N., O. Berman, M. Yuval, **Y. Loya**, T. Treibitz, E Tarazi and O. Levy (2022) Emerging 3D technologies for future reformation of coral reefs: Enhancing biodiversity using biomimetic structure based on designs by nature. *Sci. Tot. Environ.* 830: 154749.
297. Ben-Zvi Or, Yoav Lindman, Gal Eyal and **Yossi Loya** (2022) Coral fluorescence: a prey-lure in deep habitats *Comm. Biol* 5:537. [doi.org/10.1038/s42003-022-03460-3](https://doi.org/10.1038/s42003-022-03460-3)
298. Liberman Ronen, Tom Shlesinger, **Yossi Loya**, Yehuda Benayahu (2022). Soft coral reproductive phenology along a depth gradient: Can “going deeper” provide a viable refuge?  
*Ecology*, Vol.103; issue 9; e3760. [doi.org/10.1002/ecy.3760](https://doi.org/10.1002/ecy.3760)
299. Netanel Kramer, Jiaao Guan, Shaochen Chen, Daniel Wangpraseurt, **Yossi Loya** (2022). Morpho-functional traits of the coral *Stylophora pistillata* enhance light capture for photosynthesis at mesophotic depths.  
*Comm. Biol* 5, 861. [doi.org/10.1038/s42003-022-03829-4](https://doi.org/10.1038/s42003-022-03829-4)
300. Liberman, R., T. Shlesinger, Y. Loya, and Y. Benayahu (2022). Exploring Coral Reproduction in Great Depth. *Bull. Ecol. Soc. Am.* 103(4): e02008. [doi.org/10.1002/bes2.2008](https://doi.org/10.1002/bes2.2008)
301. Hanna Rapuano, Tom Shlesinger, Lachan Roth, Omri Bronstein and **Yossi Loya** (2023). Coming of age: Onset of coral reproduction is determined by age rather than size.  
*iScience*. e 26, 10653 [doi.org/10.1016/j.isci.2023.106533](https://doi.org/10.1016/j.isci.2023.106533)
302. Amit T, R. Moskovich, Y Jacobi S. Shuway, J. E. Ward, P. Beninger, G. Yahel and **Y. Loya** (2023)

- Feeding on the smallest cells: an in-situ study of picoplankton capture by bivalve molluscs from oligotrophic waters. *Front. Mar. Sci.* Volume 10 [doi.org/10.3389/fmars.2023.1184773](https://doi.org/10.3389/fmars.2023.1184773)
303. Grinblat M., L. Eyal-Shaham, G. Eyal, O. Ben-Zvi, S. Harii, M. Morita, K. Sakai, M. Hirose, D. J. Miller and Y. Loya (2023) Energy allocation trade-offs as a function of age in fungiid corals. *Front. Mar. Sci.* 10:1113987.
304. Yuval M, N. Pearl, D. Tchernov, S Martinez, Y. Loya, A. Bar-Massada, T. Treibitz (2023) Assessment of storm impact on coral reef structural complexity. *Science of the Total Environment* 891: 164493
305. Netanel Kramer, Raz Tamir, Claudia Martínez, Daniel Wangpraseurt, Yossi Loya (2023) Light pollution alters the skeletal morphology of coral juveniles and impairs their light capture capacity. *Marine Pollution Bulletin* 193:115212 [doi.org/10.1016/j.marpolbul.2023.115212](https://doi.org/10.1016/j.marpolbul.2023.115212)
306. Wiedenmann J., C. D'Angelo, M. L. Mardones, S. Moore, C. E. Benkwitt, N. A. J. Graham, B. Hambach, P. A. Wilson, J. Vanstone, G. Eyal, O. Ben-Zvi, Y. Loya & A. Genin (2023) Reef-building corals farm and feed on their photosynthetic symbionts. *Nature* [doi.org/10.1038/s41586-023-06442-5](https://doi.org/10.1038/s41586-023-06442-5)
307. Sherry Lyn G. Sayco, Rian Prasetia, Peter A. Todd, Yossi Loya, Brian Valencia, Lala Grace Calle, Patrick C. Cabaitan (2024) Reproductive biology and early life history of the solitary coral *Heliofungia actiniformis* from Singapore and the Philippines. *Mar. Biol.* 171:56 [doi.org/10.1007/s00227-023-04378-y](https://doi.org/10.1007/s00227-023-04378-y)