Alexander V Ereskovsky

List of Publications by Year
in descending order

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105 papers	3,862 citations	147566 31 h-index	149479 56 g-index
115 all docs	115 docs citations	115 times ranked	3427 citing authors

#	Article	IF	Citations
1	A Large and Consistent Phylogenomic Dataset Supports Sponges as the Sister Group to All Other Animals. Current Biology, 2017, 27, 958-967.	1.8	423
2	Origin and evolution of the Notch signalling pathway: an overview from eukaryotic genomes. BMC Evolutionary Biology, 2009, 9, 249.	3.2	191
3	Mineralization of the metre-long biosilica structures of glass sponges is templated on hydroxylated collagen. Nature Chemistry, 2010, 2, 1084-1088.	6.6	149
4	Three-dimensional chitin-based scaffolds from Verongida sponges (Demospongiae: Porifera). Part I. Isolation and identification of chitin. International Journal of Biological Macromolecules, 2010, 47, 132-140.	3.6	144
5	The Comparative Embryology of Sponges. , 2010, , .		138
6	Larval development in the Homoscleromorpha (Porifera, Demospongiae). Invertebrate Biology, 2003, 122, 187-202.	0.3	127
7	Matrotrophy and placentation in invertebrates: a new paradigm. Biological Reviews, 2016, 91, 673-711.	4.7	120
8	Insights into Chemistry of Biological Materials: Newly Discovered Silica-Aragonite-Chitin Biocomposites in Demosponges. Chemistry of Materials, 2010, 22, 1462-1471.	3.2	112
9	Three-dimensional chitin-based scaffolds from Verongida sponges (Demospongiae: Porifera). Part II: Biomimetic potential and applications. International Journal of Biological Macromolecules, 2010, 47, 141-145.	3.6	104
10	Identification and first insights into the structure and biosynthesis of chitin from the freshwater sponge Spongilla lacustris. Journal of Structural Biology, 2013, 183, 474-483.	1.3	88
11	Morphological evidence for vertical transmission of symbiotic bacteria in the viviparous sponge Halisarca dujardini Johnston (Porifera, Demospongiae, Halisarcida). Marine Biology, 2005, 146, 869-875.	0.7	84
12	Embryogenesis and larval differentiation in sponges. Canadian Journal of Zoology, 2006, 84, 262-287.	0.4	84
13	No longer Demospongiae: Homoscleromorpha formal nomination as a fourth class of Porifera. Hydrobiologia, 2012, 687, 3-10.	1.0	83
14	The Homoscleromorph sponge Oscarella lobularis, a promising sponge model in evolutionary and developmental biology. BioEssays, 2009, 31, 89-97.	1.2	76
15	Molecular Phylogeny Restores the Supra-Generic Subdivision of Homoscleromorph Sponges (Porifera,) Tj ETQq1 1 0.784314 rgBT /Ov	1.1	76
16	Reproduction cycles and strategies of the cold-water sponges Halisarca dujardini (Demospongiae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Sea. Biological Bulletin, 2000, 198, 77-87.	0.7	68
17	WNT/Î²-Catenin Signalling and Epithelial Patterning in the Homoscleromorph Sponge Oscarella. PLoS ONE, 2009, 4, e5823.	1.1	68
18	Express Method for Isolation of Ready-to-Use 3D Chitin Scaffolds from Aplysina archeri (Aplysineidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	65

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19	Cellular Localization of Clathridimine, an Antimicrobial 2-Aminoimidazole Alkaloid Produced by the Mediterranean Calcareous Sponge Clathrina clathrus. Journal of Natural Products, 2010, 73, 1277-1282.	1.5	63
20	Cleavage pattern in Oscarella species (Porifera, Demospongiae, Homoscleromorpha): transmission of maternal cells and symbiotic bacteria. Journal of Natural History, 2002, 36, 1761-1775.	0.2	56
21	Extreme biomimetics: Preservation of molecular detail in centimeter-scale samples of biological meshes laid down by sponges. Science Advances, 2019, 5, eaax2805.	4.7	53
22	The problem of germ layers in sponges (Porifera) and some issues concerning early metazoan evolution. Zoologischer Anzeiger, 2006, 245, 65-76.	0.4	51
23	Cellular and molecular processes leading to embryo formation in sponges: evidences for high conservation of processes throughout animal evolution. Development Genes and Evolution, 2013, 223, 5-22.	0.4	51
24	Transdifferentiation is a driving force of regeneration inHalisarca dujardini(Demospongiae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	50
25	Asexual reproduction in homoscleromorph sponges (Porifera; Homoscleromorpha). Marine Biology, 2007, 151, 425-434.	0.7	47
26	Surprisingly rich repertoire of Wnt genes in the demosponge Halisarca dujardini. BMC Evolutionary Biology, 2016, 16, 123.	3.2	43
27	Oscarella lobularis (Homoscleromorpha, Porifera) Regeneration: Epithelial Morphogenesis and Metaplasia. PLoS ONE, 2015, 10, e0134566.	1.1	41
28	Unique and species-specific microbial communities in Oscarella lobularis and other Mediterranean Oscarella species (Porifera: Homoscleromorpha). Marine Biology, 2013, 160, 781-791.	0.7	40
29	First report on chitinous holdfast in sponges (Porifera). Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130339.	1.2	40
30	Mass mortality event of White Sea sponges as the result of high temperature in summer 2018. Polar Biology, 2019, 42, 2313-2318.	0.5	40
31	The Conservation of the Germline Multipotency Program, from Sponges to Vertebrates: A Stepping Stone to Understanding the Somatic and Germline Origins. Genome Biology and Evolution, 2017, 9, evw289.	1.1	39
32	Multiphase Biomineralization: Enigmatic Invasive Siliceous Diatoms Produce Crystalline Calcite. Advanced Functional Materials, 2016, 26, 2503-2510.	7.8	37
33	Origin of the neuroâ€sensory system: new and expected insights from sponges. Integrative Zoology, 2009, 4, 294-308.	1.3	35
34	Transcriptome sequencing and delimitation of sympatric Oscarella species (O. carmela and O. pearsei) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	35
35	Metamorphosis of cinctoblastula larvae (Homoscleromorpha, porifera). Journal of Morphology, 2007, 268, 518-528.	0.6	33
36	Whole-Body Regeneration in Sponges: Diversity, Fine Mechanisms, and Future Prospects. Genes, 2021, 12, 506.	1.0	33

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37	Transdifferentiation and mesenchymalâ€toâ€epithelial transition during regeneration in Demospongiae (Porifera). Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2020, 334, 37-58.	0.6	32
38	Molecular and morphological description of a new species of Halisarca (Demospongiae: Halisarcida) from Mediterranean Sea and a redescription of the type species Halisarca dujardini. Zootaxa, 2011, 2768, .	0.2	30
39	Secondary Metabolome Variability and Inducible Chemical Defenses in the Mediterranean Sponge Aplysina cavernicola. Journal of Chemical Ecology, 2016, 42, 60-70.	0.9	30
40	Sewing up the wounds : The epithelial morphogenesis as a central mechanism of calcaronean sponge regeneration. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2018, 330, 351-371.	0.6	30
41	Morphology and fine structure of the swimming larvae ofIrcinia oros(Porifera, Demospongiae,) Tj ETQq1 1 0.784314 rgBT /Ove	0.3	29
42	Long-Term Cultivation of Primmorphs from Freshwater Baikal Sponges Lubomirskia baikalensis. Marine Biotechnology, 2011, 13, 782-792.	1.1	29
43	Biochemical Trade-Offs: Evidence for Ecologically Linked Secondary Metabolism of the Sponge Oscarella balibaloi. PLoS ONE, 2011, 6, e28059.	1.1	29
44	Oscarella balibaloi, a new sponge species (Homoscleromorpha: Plakinidae) from the Western Mediterranean Sea: cytological description, reproductive cycle and ecology. Marine Ecology, 2011, 32, 174-187.	0.4	28
45	Larval development in Guancha arnesenae (Porifera, Calcispongiae, Calcinea). Zoomorphology, 2008, 127, 175-187.	0.4	27
46	Five new species of Homoscleromorpha (Porifera) from the Caribbean Sea and re-description ofPlakina jamaicensis. Journal of the Marine Biological Association of the United Kingdom, 2014, 94, 285-307.	0.4	26
47	A new species of Oscarella (Demospongiae: Plakinidae) from the Western Sea of Japan. Zootaxa, 2006, 1376, 37.	0.2	25
48	Asexual and puzzling sexual reproduction of the Mediterranean sponge Haliclona fulva (Demospongiae): life cycle and cytological structures. Invertebrate Biology, 2017, 136, 403-421.	0.3	25
49	A panâ€metazoan concept for adult stem cells: the wobbling <scp>Penrose</scp> landscape. Biological Reviews, 2022, 97, 299-325.	4.7	25
50	Larval development, ultrastructure and metamorphosis inChondrilla australiensisCarter, 1873 (Demospongiae, Chondrosida, Chondrillidae). Invertebrate Reproduction and Development, 2005, 47, 51-62.	0.3	24
51	Florida reef sponges harbor coral disease-associated microbes. Symbiosis, 2010, 51, 117-129.	1.2	23
52	Lysophospholipids in the Mediterranean Sponge Oscarella tuberculata: Seasonal Variability and Putative Biological Role. Journal of Chemical Ecology, 2011, 37, 537-545.	0.9	23
53	Systematics and Molecular Phylogeny of the Family Oscarellidae (Homoscleromorpha) with Description of Two New Oscarella Species. PLoS ONE, 2013, 8, e63976.	1.1	22
54	Diversity and biological activities of the bacterial community associated with the marine sponge Phorbas tenacior (Porifera, Demospongiae). Letters in Applied Microbiology, 2014, 58, 42-52.	1.0	22

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55	Esperiopsis koltuni sp. nov. (Demospongiae: Poecilosclerida: Esperiopsidae), a carnivorous sponge from deep water of the Sea of Okhotsk (North Pacific). Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 1379-1386.	0.4	21
56	Pluri-annual study of the reproduction of two Mediterranean Oscarella species (Porifera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (H 423-438.	0.7	21
57	Ultrastructural description of development and cell composition of primmorphs in the endemic Baikal sponge Lubomirskia baicalensis. Zoomorphology, 2016, 135, 1-17.	0.4	21
58	SERENADE: safer and ecodesign research and education applied to nanomaterial development, the new generation of materials safer by design. Environmental Science: Nano, 2017, 4, 526-538.	2.2	21
59	Embryo development of Corticium candelabrum (Demospongiae: Homosclerophorida). Invertebrate Biology, 2007, 126, 211-219.	0.3	20
60	Bacterial symbionts as an additional cytological marker for identification of sponges without a skeleton. Marine Biology, 2009, 156, 1625-1632.	0.7	20
61	How a collaborative integrated taxonomic effort has trained new spongiologists and improved knowledge of Martinique Island (French Antilles, eastern Caribbean Sea) marine biodiversity. PLoS ONE, 2017, 12, e0173859.	1.1	19
62	Sexual reproduction of <scp>Hippospongia communis</scp> (Lamarck, 1814) (Dictyoceratida,) Tj ETQq0 0 0 rgBT /Overlock 10 T Marine Ecology, 2013, 34, 432-442.	0.4	18
63	Arrested in Glass: Actin within Sophisticated Architectures of Biosilica in Sponges. Advanced Science, 2022, 9, e2105059.	5.6	15
64	Morphogenesis accompanying larval metamorphosis in Plakina trilopha (Porifera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (Homosc	0.4	12
65	Life-history traits of a common Caribbean coral-excavating sponge,Cliona tenuis(Porifera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.2	11
66	Integrative taxonomic description of Plakina kanaky, a new polychromatic sponge species from New Caledonia (Porifera: Homoscleromorpha). Marine Ecology, 2015, 36, 1129-1143.	0.4	11
67	Marine cave biota of the Tarkhankut Peninsula (Black Sea, Crimea), with emphasis on sponge taxonomic composition, spatial distribution and ecological particularities. Journal of the Marine Biological Association of the United Kingdom, 2016, 96, 391-406.	0.4	10
68	Sponge Reproduction. , 2018, , 485-490.		10
69	Expression of Wnt and TGF-Beta Pathway Components during Whole-Body Regeneration from Cell Aggregates in Demosponge Halisarca dujardinii. Genes, 2021, 12, 944.	1.0	8
70	Tissue homeostasis in sponges: Quantitative analysis of cell proliferation and apoptosis. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2022, 338, 360-381.	0.6	8
71	Experimental metamorphosis ofHalisarca dujardini larvae (Demospongiae, Halisarcida): Evidence of flagellated cell totipotentiality. Journal of Morphology, 2007, 268, 529-536.	0.6	7
72	Kinetid structure in sponge choanocytes of Spongillida in the light of evolutionary relationships within Demospongiae. Zoological Journal of the Linnean Society, 2018, 184, 255-272.	1.0	7

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73	Comparative ultrastructure of the spermatogenesis of three species of Poecilosclerida (Porifera,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.4	7
74	A new species of Halisarca (Demospongiae: Halisarcida) from the Sea of Okhotsk, North Pacific. Zootaxa, 2007, 1432, .	0.2	7
75	Fine details of the choanocyte filter apparatus in asconoid calcareous sponges (Porifera: Calcarea) revealed by ruthenium red fixation. Zoology, 2022, 150, 125984.	0.6	7
76	Integrative taxonomic re-description of Halisarca magellanica and description of a new species of Halisarca (Porifera, Demospongiae) from Chilean PatagoniaÂ. Zootaxa, 2016, 4208, zootaxa.4208.6.1.	0.2	6
77	Studying Porifera WBR Using the Calcerous Sponges Leucosolenia. Methods in Molecular Biology, 2022, 2450, 69-93.	0.4	6
78	Ultrastructure of the ciliated cells of the free-swimming larva, and sessile stages, of the marine spongeHaliclona indistincta(Demospongiae: haplosclerida). Journal of Morphology, 2013, 274, 1263-1276.	0.6	5
79	Development of Sponges from the Class Calcarea Bowerbank, 1864. , 2010, , 3-36.		5
80	Sponge community of the western Black Sea shallow water caves: diversity and spatial distribution. PeerJ, 2018, 6, e4596.	0.9	5
81	Kinetid structure in larval and adult stages of the demosponges Haliclona aquaeductus (Haplosclerida) and Halichondria panicea (Suberitida). Zoomorphology, 2019, 138, 171-184.	0.4	4
82	Spermatogenesis in the carnivorous sponge Lycopodina hypogea (Porifera, Demospongiae). Zoomorphology, 2022, 141, 1-17.	0.4	4
83	Typization of Sponge Development and Its Significance for Phylogeny. , 2010, , 209-230.		3
84	Tentacular apparatus ultrastructure in the larva of Bolinopsis infundibulum (Lobata:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 To	0.6	3
85	Ontogenetic dynamics of the subepidermal spicule complex in Nudibranchia (Gastropoda): the case of Onchidoris muricata. Zoology, 2021, 144, 125886.	0.6	3
86	No longer Demospongiae: Homoscleromorpha formal nomination as a fourth class of Porifera. , 2011, , 3-10.		3
87	Formation of Spicules During the Long-term Cultivation of Primmorphs from the Freshwater Baikal Sponge Lubomirskia baikalensis. , 0, s2, .		3
88	Diet Metabarcoding Reveals Extensive Dietary Overlap between Two Benthic Stream Fishes (Zingel) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	3
89	Introduction to the <scp>K</scp>owalevsky medal issue. Evolution & Development, 2012, 14, 1-2.	1.1	2
90	New data on the longevity of coastal cod Gadus morhua Linnaeus, 1758 in the White Sea. Journal of Applied Ichthyology, 2016, 32, 350-352.	0.3	2

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91	From traveler to homebody: Which signaling mechanisms sponge larvae use to become adult sponges?. Advances in Protein Chemistry and Structural Biology, 2019, 116, 421-449.	1.0	2
92	In Search of the Ancestral Organization and Phylotypic Stage of Porifera. Russian Journal of Developmental Biology, 2019, 50, 317-324.	0.1	2
93	The kinetid structure of two oscarellid sponges (Class Homoscleromorpha) unveils plesiomorphies in kinetids of Homoscleromorphaâ€“Calcarea lineage. Invertebrate Biology, 2020, 139, e12299.	0.3	2
94	Development of sponges from the class Demospongiae Sollas, 1885. , 2010, , 47-176.		2
95	Ultrastructural research of spermiogenesis in two sponges, Crellomima imparidens and Hymedesmia irregularis (Demospongiae): New evidence of sperms with acrosome in sponges. Journal of Morphology, 2022, 283, 333-345.	0.6	2
96	Kinetid in larval cells of Spongillida (Porifera: Demospongiae): tracing the ancestral traits. Organisms Diversity and Evolution, 2020, 20, 669-680.	0.7	1
97	Morphological variability of choanocyte kinetids supports a novel systematic division within Oscarellidae (Porifera, Homoscleromorpha). Journal of Zoological Systematics and Evolutionary Research, 2021, 59, 31-43.	0.6	1
98	New data on the ultrastructure of the proboscis in females of Bonellia viridis (Annelida: Bonellinae). Zoomorphology, 2021, 140, 453-468.	0.4	1
99	Comparative Analysis of Individual Development in Sponges. , 2010, , 231-268.		0
100	Integrative taxonomy of the cave-dwelling mysids of the genus Hemimysis. Systematics and Biodiversity, 2019, 17, 245-259.	0.5	0
101	Development of Homoscleromorpha of the Order Homosclerophorida Dendy, 1905. , 2010, , 177-206.		0
102	Evolution and Individual Development of Sponges: Regularities and Directions. , 2010, , 269-281.		0
103	In Place of Conclusion: Bauplan and Phylotypic Stage in Porifera. , 2010, , 283-285.		0
104	Alexander Onufrievich Kowalevsky (1840â€“1901). , 2020, , 1-17.		0
105	Novel protein from larval sponge cells, ilborin, is related to energy turnover and calcium binding and is conserved among marine invertebrates. Open Biology, 2022, 12, 210336.	1.5	0