

# 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 panmetazoan concept for adult stem cells: the wobbling Penrose landscape. <i>Biological Reviews</i> , 2022, 97, 299-325.	4.7	25
2	Fine details of the choanocyte filter apparatus in asconoid calcareous sponges (Porifera: Calcarea) revealed by ruthenium red fixation. <i>Zoology</i> , 2022, 150, 125984.	0.6	7
3	Ultrastructural research of spermiogenesis in two sponges, <i>Crellomima imparidens</i> and <i>Hymedesmia irregularis</i> (Demospongiae): New evidence of sperms with acrosome in sponges. <i>Journal of Morphology</i> , 2022, 283, 333-345.	0.6	2
4	Studying Porifera WBR Using the Calcareous Sponges <i>Leucosolenia</i> . <i>Methods in Molecular Biology</i> , 2022, 2450, 69-93.	0.4	6
5	Novel protein from larval sponge cells, ilborin, is related to energy turnover and calcium binding and is conserved among marine invertebrates. <i>Open Biology</i> , 2022, 12, 210336.	1.5	0
6	Spermatogenesis in the carnivorous sponge <i>Lycopodina hypogea</i> (Porifera, Demospongiae). <i>Zoomorphology</i> , 2022, 141, 1-17.	0.4	4
7	Arrested in Glass: Actin within Sophisticated Architectures of Biosilica in Sponges. <i>Advanced Science</i> , 2022, 9, e2105059.	5.6	15
8	Tissue homeostasis in sponges: Quantitative analysis of cell proliferation and apoptosis. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 360-381.	0.6	8
9	Diet Metabarcoding Reveals Extensive Dietary Overlap between Two Benthic Stream Fishes (Zingel) $T_j ETQq1 1 0.784314 rgBT / Overlap$	0.7	3
10	Ontogenetic dynamics of the subepidermal spicule complex in Nudibranchia (Gastropoda): the case of <i>Onchidoris muricata</i> . <i>Zoology</i> , 2021, 144, 125886.	0.6	3
11	Morphological variability of choanocyte kinetids supports a novel systematic division within Oscarellidae (Porifera, Homoscleromorpha). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 31-43.	0.6	1
12	Whole-Body Regeneration in Sponges: Diversity, Fine Mechanisms, and Future Prospects. <i>Genes</i> , 2021, 12, 506.	1.0	33
13	Expression of Wnt and TGF-Beta Pathway Components during Whole-Body Regeneration from Cell Aggregates in Demosponge <i>Halisarca dujardini</i> . <i>Genes</i> , 2021, 12, 944.	1.0	8
14	New data on the ultrastructure of the proboscis in females of <i>Bonellia viridis</i> (Annelida: Bonellinae). <i>Zoomorphology</i> , 2021, 140, 453-468.	0.4	1
15	Transdifferentiation and mesenchymal to epithelial transition during regeneration in Demospongiae (Porifera). <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2020, 334, 37-58.	0.6	32
16	Kinetid in larval cells of Spongillida (Porifera: Demospongiae): tracing the ancestral traits. <i>Organisms Diversity and Evolution</i> , 2020, 20, 669-680.	0.7	1
17	The kinetid structure of two oscarellid sponges (Class Homoscleromorpha) unveils plesiomorphies in kinetids of Homoscleromorpha Calcarea lineage. <i>Invertebrate Biology</i> , 2020, 139, e12299.	0.3	2
18	Alexander Onufrievich Kowalevsky (1840–1901)., 2020, , 1-17.		0

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19	Extreme biomimetics: Preservation of molecular detail in centimeter-scale samples of biological meshes laid down by sponges. <i>Science Advances</i> , 2019, 5, eaax2805.	4.7	53
20	Integrative taxonomy of the cave-dwelling mysids of the genus <i>Hemimysis</i> . <i>Systematics and Biodiversity</i> , 2019, 17, 245-259.	0.5	0
21	From traveler to homebody: Which signaling mechanisms sponge larvae use to become adult sponges?. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 116, 421-449.	1.0	2
22	Express Method for Isolation of Ready-to-Use 3D Chitin Scaffolds from <i>Aplysina archeri</i> (Aplysineidae). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i>	2.2	65
23	Kinetid structure in larval and adult stages of the demosponges <i>Haliclona aquaeductus</i> (Haplosclerida) and <i>Halichondria panicea</i> (Suberitida). <i>Zoomorphology</i> , 2019, 138, 171-184.	0.4	4
24	In Search of the Ancestral Organization and Phylotypic Stage of Porifera. <i>Russian Journal of Developmental Biology</i> , 2019, 50, 317-324.	0.1	2
25	Mass mortality event of White Sea sponges as the result of high temperature in summer 2018. <i>Polar Biology</i> , 2019, 42, 2313-2318.	0.5	40
26	Comparative ultrastructure of the spermatogenesis of three species of Poecilosclerida (Porifera). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i>	0.4	7
27	Kinetid structure in sponge choanocytes of Spongillida in the light of evolutionary relationships within Demospongiae. <i>Zoological Journal of the Linnean Society</i> , 2018, 184, 255-272.	1.0	7
28	Sewing up the wounds : The epithelial morphogenesis as a central mechanism of calcarean sponge regeneration. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2018, 330, 351-371.	0.6	30
29	Sponge Reproduction. , 2018, , 485-490.		10
30	Sponge community of the western Black Sea shallow water caves: diversity and spatial distribution. <i>PeerJ</i> , 2018, 6, e4596.	0.9	5
31	SERENADE: safer and ecodesign research and education applied to nanomaterial development, the new generation of materials safer by design. <i>Environmental Science: Nano</i> , 2017, 4, 526-538.	2.2	21
32	The Conservation of the Germline Multipotency Program, from Sponges to Vertebrates: A Stepping Stone to Understanding the Somatic and Germline Origins. <i>Genome Biology and Evolution</i> , 2017, 9, evw289.	1.1	39
33	A Large and Consistent Phylogenomic Dataset Supports Sponges as the Sister Group to All Other Animals. <i>Current Biology</i> , 2017, 27, 958-967.	1.8	423
34	Asexual and puzzling sexual reproduction of the Mediterranean sponge <i>Haliclona fulva</i> (Demospongiae): life cycle and cytological structures. <i>Invertebrate Biology</i> , 2017, 136, 403-421.	0.3	25
35	How a collaborative integrated taxonomic effort has trained new spongiologists and improved knowledge of Martinique Island (French Antilles, eastern Caribbean Sea) marine biodiversity. <i>PLoS ONE</i> , 2017, 12, e0173859.	1.1	19
36	Transcriptome sequencing and delimitation of sympatric <i>Oscarella</i> species ( <i>O. carmela</i> and <i>O. pearsei</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i>	1.1	35

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37	Surprisingly rich repertoire of Wnt genes in the demosponge <i>Halisarca dujardini</i> . BMC Evolutionary Biology, 2016, 16, 123.	3.2	43
38	Multiphase Biomineralization: Enigmatic Invasive Siliceous Diatoms Produce Crystalline Calcite. Advanced Functional Materials, 2016, 26, 2503-2510.	7.8	37
39	Integrative taxonomic re-description of <i>Halisarca magellanica</i> and description of a new species of <i>Halisarca</i> (Porifera, Demospongiae) from Chilean Patagonia. Zootaxa, 2016, 4208, zootaxa.4208.6.1.	0.2	6
40	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
41	New data on the longevity of coastal cod <i>Gadus morhua</i> Linnaeus, 1758 in the White Sea. Journal of Applied Ichthyology, 2016, 32, 350-352.	0.3	2
42	Secondary Metabolome Variability and Inducible Chemical Defenses in the Mediterranean Sponge <i>Aplysina cavernicola</i> . Journal of Chemical Ecology, 2016, 42, 60-70.	0.9	30
43	Ultrastructural description of development and cell composition of primmorphs in the endemic Baikal sponge <i>Lubomirskia baicalensis</i> . Zoomorphology, 2016, 135, 1-17.	0.4	21
44	Matrotrophy and placentation in invertebrates: a new paradigm. Biological Reviews, 2016, 91, 673-711.	4.7	120
45	<i>Oscarella lobularis</i> (Homoscleromorpha, Porifera) Regeneration: Epithelial Morphogenesis and Metaplasia. PLoS ONE, 2015, 10, e0134566.	1.1	41
46	Integrative taxonomic description of <i>Plakina kanaky</i> , a new polychromatic sponge species from New Caledonia (Porifera: Homoscleromorpha). Marine Ecology, 2015, 36, 1129-1143.	0.4	11
47	Transdifferentiation is a driving force of regeneration in <i>Halisarca dujardini</i> (Demospongiae). Tj ETQq1 1 0.784314 rgBT /Overlock 0,9 50		
48	Diversity and biological activities of the bacterial community associated with the marine sponge <i>Phorbas tenacior</i> (Porifera, Demospongiae). Letters in Applied Microbiology, 2014, 58, 42-52.	1.0	22
49	Five new species of Homoscleromorpha (Porifera) from the Caribbean Sea and re-description of <i>Plakina jamaicensis</i> . Journal of the Marine Biological Association of the United Kingdom, 2014, 94, 285-307.	0.4	26
50	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
51	Tentacular apparatus ultrastructure in the larva of <i>Bolinopsis infundibulum</i> (Lobata). Tj ETQq1 1 0.784314 rgBT /Overlock 0,6 3 10 Tf 50		
52	Identification and first insights into the structure and biosynthesis of chitin from the freshwater sponge <i>Spongilla lacustris</i> . Journal of Structural Biology, 2013, 183, 474-483.	1.3	88
53	Life-history traits of a common Caribbean coral-excavating sponge, <i>Cliona tenuis</i> (Porifera). Tj ETQq1 1 0.784314 rgBT /Overlock 0,2 11 10 Tf 50		
54	Ultrastructure of the ciliated cells of the free-swimming larva, and sessile stages, of the marine sponge <i>Haliclona indistincta</i> (Demospongiae: haplosclerida). Journal of Morphology, 2013, 274, 1263-1276.	0.6	5

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55	Pluri-annual study of the reproduction of two Mediterranean Oscarella species (Porifera,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 423-438.	0.7	21
56	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
57	First report on chitinous holdfast in sponges (Porifera). Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130339.	1.2	40
58	Sexual reproduction of <i>Hippospongia communis</i> (Lamarck, 1814) (Dictyoceratida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Marine Ecology, 2013, 34, 432-442.	0.4	18
59	Systematics and Molecular Phylogeny of the Family Oscarellidae (Homoscleromorpha) with Description of Two New Oscarella Species. PLoS ONE, 2013, 8, e63976.	1.1	22
60	No longer Demospongiae: Homoscleromorpha formal nomination as a fourth class of Porifera. Hydrobiologia, 2012, 687, 3-10.	1.0	83
61	Introduction to the Kowalevsky medal issue. Evolution & Development, 2012, 14, 1-2.	1.1	2
62	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
63	Oscarella balibaloï, 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
64	Lysophospholipids in the Mediterranean Sponge Oscarella tuberculata: Seasonal Variability and Putative Biological Role. Journal of Chemical Ecology, 2011, 37, 537-545.	0.9	23
65	Long-Term Cultivation of Primmorphs from Freshwater Baikal Sponges Lubomirskia baikalensis. Marine Biotechnology, 2011, 13, 782-792.	1.1	29
66	No longer Demospongiae: Homoscleromorpha formal nomination as a fourth class of Porifera. , 2011, , 3-10.		3
67	Biochemical Trade-Offs: Evidence for Ecologically Linked Secondary Metabolism of the Sponge Oscarella balibaloï. PLoS ONE, 2011, 6, e28059.	1.1	29
68	Morphogenesis accompanying larval metamorphosis in Plakina trilopha (Porifera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (Homoscleromorpha) Marine Biology, 2010, 158, 1089-1100.	0.4	12
69	Florida reef sponges harbor coral disease-associated microbes. Symbiosis, 2010, 51, 117-129.	1.2	23
70	Mineralization of the metre-long biosilica structures of glass sponges is templated on hydroxylated collagen. Nature Chemistry, 2010, 2, 1084-1088.	6.6	149
71	Insights into Chemistry of Biological Materials: Newly Discovered Silica-Aragonite-Chitin Biocomposites in Demosponges. Chemistry of Materials, 2010, 22, 1462-1471.	3.2	112
72	Typization of Sponge Development and Its Significance for Phylogeny. , 2010, , 209-230.		3

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73	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
74	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
75	The Comparative Embryology of Sponges. , 2010, , .		138
76	Comparative Analysis of Individual Development in Sponges. , 2010, , 231-268.		0
77	Cellular Localization of Clathridimine, an Antimicrobial 2-Aminoimidazole Alkaloid Produced by the Mediterranean Calcareous Sponge <i>Clathrina clathrus</i> . Journal of Natural Products, 2010, 73, 1277-1282.	1.5	63
78	Development of Sponges from the Class Calcarea Bowerbank, 1864. , 2010, , 3-36.		5
79	Development of sponges from the class Demospongiae Sollas, 1885. , 2010, , 47-176.		2
80	Molecular Phylogeny Restores the Supra-Generic Subdivision of Homoscleromorph Sponges (Porifera). Tj ETQq0 0 Q rgBT /Overlock 10 T	1.1	76
81	Development of Homoscleromorpha of the Order Homosclerophorida Dendy, 1905. , 2010, , 177-206.		0
82	Evolution and Individual Development of Sponges: Regularities and Directions. , 2010, , 269-281.		0
83	In Place of Conclusion: Bauplan and Phylotypic Stage in Porifera. , 2010, , 283-285.		0
84	WNT/ $\beta$ -Catenin Signalling and Epithelial Patterning in the Homoscleromorph Sponge <i>Oscarella</i> . PLoS ONE, 2009, 4, e5823.	1.1	68
85	Origin and evolution of the Notch signalling pathway: an overview from eukaryotic genomes. BMC Evolutionary Biology, 2009, 9, 249.	3.2	191
86	Origin of the neurosensory system: new and expected insights from sponges. Integrative Zoology, 2009, 4, 294-308.	1.3	35
87	The Homoscleromorph sponge <i>Oscarella lobularis</i> , a promising sponge model in evolutionary and developmental biology. BioEssays, 2009, 31, 89-97.	1.2	76
88	Bacterial symbionts as an additional cytological marker for identification of sponges without a skeleton. Marine Biology, 2009, 156, 1625-1632.	0.7	20
89	Larval development in <i>Guanacha arnesenae</i> (Porifera, Calcispongiae, Calcinea). Zoomorphology, 2008, 127, 175-187.	0.4	27
90	<i>Esperiopsis koltuni</i> 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

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91	Experimental metamorphosis of <i>Halisarca dujardini</i> larvae (Demospongiae, Halisarcida): Evidence of flagellated cell totipotentiality. <i>Journal of Morphology</i> , 2007, 268, 529-536.	0.6	7
92	Metamorphosis of cinctoblastula larvae (Homoscleromorpha, porifera). <i>Journal of Morphology</i> , 2007, 268, 518-528.	0.6	33
93	Embryo development of <i>Corticium candelabrum</i> (Demospongiae: Homosclerophorida). <i>Invertebrate Biology</i> , 2007, 126, 211-219.	0.3	20
94	Asexual reproduction in homoscleromorph sponges (Porifera; Homoscleromorpha). <i>Marine Biology</i> , 2007, 151, 425-434.	0.7	47
95	A new species of <i>Halisarca</i> (Demospongiae: Halisarcida) from the Sea of Okhotsk, North Pacific. <i>Zootaxa</i> , 2007, 1432, .	0.2	7
96	Embryogenesis and larval differentiation in sponges. <i>Canadian Journal of Zoology</i> , 2006, 84, 262-287.	0.4	84
97	A new species of <i>Oscarella</i> (Demospongiae: Plakinidae) from the Western Sea of Japan. <i>Zootaxa</i> , 2006, 1376, 37.	0.2	25
98	The problem of germ layers in sponges (Porifera) and some issues concerning early metazoan evolution. <i>Zoologischer Anzeiger</i> , 2006, 245, 65-76.	0.4	51
99	Morphological evidence for vertical transmission of symbiotic bacteria in the viviparous sponge <i>Halisarca dujardini</i> Johnston (Porifera, Demospongiae, Halisarcida). <i>Marine Biology</i> , 2005, 146, 869-875.	0.7	84
100	Larval development, ultrastructure and metamorphosis in <i>Chondrilla australiensis</i> Carter, 1873 (Demospongiae, Chondrosida, Chondrillidae). <i>Invertebrate Reproduction and Development</i> , 2005, 47, 51-62.	0.3	24
101	Morphology and fine structure of the swimming larvae of <i>Ircinia oros</i> (Porifera, Demospongiae.) <i>Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 0</i>	0.3	29
102	Larval development in the Homoscleromorpha (Porifera, Demospongiae). <i>Invertebrate Biology</i> , 2003, 122, 187-202.	0.3	127
103	Cleavage pattern in <i>Oscarella</i> species (Porifera, Demospongiae, Homoscleromorpha): transmission of maternal cells and symbiotic bacteria. <i>Journal of Natural History</i> , 2002, 36, 1761-1775.	0.2	56
104	Reproduction cycles and strategies of the cold-water sponges <i>Halisarca dujardini</i> (Demospongiae.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 0</i> Sea. <i>Biological Bulletin</i> , 2000, 198, 77-87.	0.7	68
105	Formation of Spicules During the Long-term Cultivation of Primmorphs from the Freshwater Baikal Sponge <i>Lubomirskia baikalensis</i> . , 0, s2, .		3