Igor Yu Dolmatov

List of Publications by Year
in descending order

67	1,172	430754 18	454834 30
papers	citations	h-index	g-index

67	67	67	534
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gene Orthologs of Myogenic Regulatory Factors (MRF) Family and their Possible Functions in Echinoderms. Russian Journal of Marine Biology, 2022, 48, 185-194.	0.2	0
2	Molecular Aspects of Regeneration Mechanisms in Holothurians. Genes, 2021, 12, 250.	1.0	23
3	Expression of Piwi, MMP, TIMP, and Sox during Gut Regeneration in Holothurian Eupentacta fraudatrix (Holothuroidea, Dendrochirotida). Genes, 2021, 12, 1292.	1.0	12
4	Matrix Metalloproteinases and Tissue Inhibitors of Metalloproteinases in Echinoderms: Structure and Possible Functions. Cells, 2021, 10, 2331.	1.8	14
5	Tumor-Associated Macrophages as Potential Targets for Anti-Cancer Activity of Marine Invertebrate-Derived Compounds. Current Pharmaceutical Design, 2021, 27, 3139-3160.	0.9	3
6	Different Macrophage Type Triggering as Target of the Action of Biologically Active Substances from Marine Invertebrates. Marine Drugs, 2020, 18, 37.	2.2	8
7	Autotomy and regeneration of the visceral mass in feather stars. Zoomorphology, 2020, 139, 171-187.	0.4	5
8	The Eupentacta fraudatrix transcriptome provides insights into regulation of cell transdifferentiation. Scientific Reports, 2020, 10, 1522.	1.6	23
9	Variability of Regeneration Mechanisms in Echinoderms. Russian Journal of Marine Biology, 2020, 46, 391-404.	0.2	8
10	Metalloproteinase inhibitor GM6001 delays regeneration in holothurians. Tissue and Cell, 2019, 59, 1-9.	1.0	14
11	Reference assembly and gene expression analysis of Apostichopus japonicus larval development. Scientific Reports, 2019, 9, 1131.	1.6	13
12	Lead Induces Different Responses of Two Subpopulations of Phagocytes in the Holothurian Eupentacta fraudatrix. Journal of Ocean University of China, 2018, 17, 1391-1403.	0.6	7
13	The ultrastructural features of embryonic and early larval development in Yesso scallop, Mizuhopecten yessoensis. Tissue and Cell, 2018, 53, 76-86.	1.0	4
14	Molecular mechanisms of fission in echinoderms: Transcriptome analysis. PLoS ONE, 2018, 13, e0195836.	1.1	28
15	Cladolosides O, P, P1-P3 and R, triterpene glycosides with two novel types of carbohydrate chains from the sea cucumberCladolabes schmeltzii. Inhibition of cancer cells colony formation and its synergy with radioactive irradiation. Carbohydrate Research, 2018, 468, 73-79.	1.1	7
16	Cladolosides C4, D1, D2, M, M1, M2, N and Q, new triterpene glycosides with diverse carbohydrate chains from sea cucumber Cladolabes schmeltzii. An uncommon 20,21,22,23,24,25,26,27-okta-nor-lanostane aglycone. The synergism of inhibitory action of non-toxic dose of the glycosides and radioactive irradiation on colony formation of HT-29 cancer cells. Carbohydrate Research, 2018, 468, 36-44.	1.1	13
17	Formation of the ectodermal organs during the metamorphosis and definitive organogenesis in the holothurian Apostichopus japonicus. Zoomorphology, 2018, 137, 545-564.	0.4	2
18	Digestive system formation during the metamorphosis and definitive organogenesis in Apostichopus japonicus. Zoomorphology, 2017, 136, 191-204.	0.4	4

#	Article	IF	Citations
19	Cladolosides I 1 , I 2 , J 1 , K 1 , K 2 and L 1, monosulfated triterpene glycosides with new carbohydrate chains from the sea cucumber Cladolabes schmeltzii. Carbohydrate Research, 2017, 445, 80-87.	1.1	10
20	Wnt and frizzled expression during regeneration of internal organs in the holothurian Eupentacta fraudatrix. Wound Repair and Regeneration, 2017, 25, 828-835.	1.5	16
21	Anterior regeneration after fission in the holothurianCladolabes schmeltzii(Dendrochirotida:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.2	11
22	Metabolite Profiling of Triterpene Glycosides of the Far Eastern Sea Cucumber Eupentacta fraudatrix and Their Distribution in Various Body Components Using LC-ESI QTOF-MS. Marine Drugs, 2017, 15, 302.	2.2	16
23	Regeneration of the digestive system in the crinoid Himerometra robustipinna occurs by transdifferentiation of neurosecretory-like cells. PLoS ONE, 2017, 12, e0182001.	1.1	17
24	Colochirosides A1, A2, A3, and D, Four Novel Sulfated Triterpene Glycosides from the Sea Cucumber Colochirus Robustus (Cucumariidae, Dendrochirotida). Natural Product Communications, 2016, 11, 1934578X1601100.	0.2	3
25	Colochiroside E, an Unusual Non-holostane Triterpene Sulfated Trioside from the Sea Cucumber Colochirus Robustus and Evidence of the Impossibility of a 7(8)-Double Bond Migration in Lanostane Derivatives having an 18(16)-Lactone. Natural Product Communications, 2016, 11, 1934578X1601100.	0.2	4
26	Metamorphosis and definitive organogenesis in the holothurian Apostichopus japonicus. Zoomorphology, 2016, 135, 173-188.	0.4	17
27	Posterior regeneration following fission in the holothurian <scp>C</scp>ladolabes schmeltzii (Dendrochirotida: Holothuroidea). Microscopy Research and Technique, 2015, 78, 540-552.	1.2	11
28	Colochirosides B₁, B₂, B₃ and C, Novel Sulfated Triterpene Glycosides from the Sea Cucumber Colochirus robustus (Cucumariidae, Dendrochirotida). Natural Product Communications, 2015, 10, 1934578X1501001.	0.2	10
29	Structures and biological activities of cladolosides C3, E1, E2, F1, F2, G, H1 and H2, eight triterpene glycosides from the sea cucumber Cladolabes schmeltzii with one known and four new carbohydrate chains. Carbohydrate Research, 2015, 414, 22-31.	1.1	15
30	Asexual Reproduction in Holothurians. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	33
31	Triterpene Glycosides from the Sea Cucumber Cladolabes schmeltzii. II. Structure and Biological Action of Cladolosides A₁-A₆. Natural Product Communications, 2014, 9, 1934578X1400901.	0.2	9
32	New data on asexual reproduction, autotomy, and regeneration in holothurians of the Order Dendrochirotida. Russian Journal of Marine Biology, 2014, 40, 228-232.	0.2	15
33	The distribution of the Wnt5 protein in the tissues of the holothurian Eupentacta fraudatrix (Djakonov et Baranova, 1958) (Holothuroidea: Dendrochirotida) in the norm and during regeneration. Russian Journal of Marine Biology, 2014, 40, 66-70.	0.2	4
34	Autotomy of the Visceral Mass in the Feather Star Himerometra robustipinna (Crinoidea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	0.7	11
35	Triterpene glycosides from the sea cucumber Cladolabes schmeltzii. II. Structure and biological action of cladolosides A1-A6. Natural Product Communications, 2014, 9, 1421-8.	0.2	16
36	The morphology of the digestive tract and respiratory organs of the holothurian Cladolabes schmeltzii (Holothuroidea, Dendrochirotida). Tissue and Cell, 2013, 45, 126-139.	1.0	18

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37	Proteases from the Regenerating Gut of the Holothurian Eupentacta fraudatrix. PLoS ONE, 2013, 8, e58433.	1.1	19
38	Structure and Biological Action of Cladolosides B₁, B₂, C, C₁, C₂ and D, Six New Triterpene Glycosides from the Sea Cucumber Cladolabes schmeltzii. Natural Product Communications, 2013, 8, 1934578X1300801.	0.2	9
39	Structure and biological action of cladolosides B1, B2, C, C1, C2 and D, six new triterpene glycosides from the sea cucumber Cladolabes schmeltzii. Natural Product Communications, 2013, 8, 1527-34.	0.2	31
40	Asexual reproduction, evisceration, and regeneration in holothurians (Holothuroidea) from Nha Trang Bay of the South China Sea. Russian Journal of Marine Biology, 2012, 38, 243-252.	0.2	28
41	Development of respiratory trees in the holothurian Apostichopus japonicus (Aspidochirotida:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.5	17
42	Echinoderms: Potential Model Systems for Studies on Muscle Regeneration. Current Pharmaceutical Design, 2010, 16, 942-955.	0.9	84
43	Microscopic Anatomy of the Digestive System in Normal and Regenerating Specimens of the Brittlestar Amphipholis kochii. Biological Bulletin, 2010, 218, 303-316.	0.7	11
44	Post-autotomy regeneration of respiratory trees in the holothurian Apostichopus japonicus (Holothuroidea, Aspidochirotida). Cell and Tissue Research, 2009, 336, 41-58.	1.5	47
45	Juxtaligamental system of the disc and oral frame of the ophiuroid Amphipholis kochii (Echinodermata: Ophiuroidea) and its role in autotomy. Invertebrate Biology, 2009, 128, 145-156.	0.3	8
46	Markers for immunity deficiency in lead-treated holothurians. , 2009, , 359-362.		0
47	Development and evolution of the muscle system in the Echinodermata. , 2009, , 163-166.		2
48	Regeneration of a complex of structures of the ophiuroid Amphipholis kochii LÃ¼tken, 1872 (Ophiurae) after disk autotomy. Russian Journal of Marine Biology, 2008, 34, 369-373.	0.2	2
49	Developmental origin of the adult nervous system in a holothurian: an attempt to unravel the enigma of neurogenesis in echinoderms. Evolution & Development, 2007, 9, 244-256.	1.1	31
50	Juxtaligamental cells in the arm of the brittlestar Amphipholis kochii LÃ¼tken, 1872 (Echinodermata:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	11
51	Visceral regeneration in the crinoid Antedon mediterranea: basic mechanisms, tissues and cells involved in gut regrowth. Open Life Sciences, 2006, 1, 609-635.	0.6	17
52	Regeneration of the epithelial lining of the stomach after autotomy of a disk in the brittle star Amphipholis kochii (LÃ¼tken) (Echinodermata: Ophiuroidea). Russian Journal of Marine Biology, 2006, 32, 68-70.	0.2	5
53	Ultrastructure of the circumoral nerve ring and the radial nerve cords in holothurians (Echinodermata). Zoomorphology, 2006, 125, 27-38.	0.4	68
54	Derivation of muscles of the Aristotleâ€™s lantern from coelomic epithelia. Cell and Tissue Research, 2006, 327, 371-384.	1.5	23

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55	Regenerating holothurian tissues as a source of cells for long-term cell cultures. Marine Biology, 2005, 146, 915-921.	0.7	28
56	Transdifferentiation in Holothurian Gut Regeneration. Biological Bulletin, 2005, 209, 184-193.	0.7	66
57	Functional morphology of the developing alimentary canal in the holothurian Eupentacta fraudatrix (Holothuroidea, Dendrochirota). Acta Zoologica, 2004, 85, 29-39.	0.6	15
58	Structure of the Digestive Tube in the Holothurian Eupentacta fraudatrix (Holothuroidea:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (	0.2	24
59	Title is missing!. Russian Journal of Marine Biology, 2003, 29, 123-125.	0.2	3
60	Regeneration of digestive tract in the pentactulae of the far-eastern holothurianEupentacta fraudatrix(Holothuroidea, Dendrochirota). Invertebrate Reproduction and Development, 2001, 39, 143-151.	0.3	30
61	Muscle regeneration in holothurians. Microscopy Research and Technique, 2001, 55, 452-463.	1.2	60
62	Regeneration of the Digestive Tube in the Holothurian Apostichopus japonicusafter Evisceration. Russian Journal of Marine Biology, 2001, 27, 168-173.	0.2	35
63	Title is missing!. Russian Journal of Marine Biology, 2001, 27, 320-328.	0.2	6
64	Title is missing!. Russian Journal of Marine Biology, 2001, 27, 376-382.	0.2	2
65	Title is missing!. Russian Journal of Marine Biology, 2001, 27, 367-375.	0.2	14
66	Developmental morphology of a holothurian,Cucumaria japonica(Dendrochirota, Holothuroidea), a species with accelerated metamorphosis. Invertebrate Reproduction and Development, 2000, 37, 137-146.	0.3	18
67	Muscle regeneration in the holothurian Stichopus japonicus. Roux's Archives of Developmental Biology, 1996, 205, 486-493.	1.2	34