Igor Yu Dolmatov

List of Publications by Year
in descending order

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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	Echinoderms: Potential Model Systems for Studies on Muscle Regeneration. Current Pharmaceutical Design, 2010, 16, 942-955.	0.9	84
2	Ultrastructure of the circumoral nerve ring and the radial nerve cords in holothurians (Echinodermata). Zoomorphology, 2006, 125, 27-38.	0.4	68
3	Transdifferentiation in Holothurian Gut Regeneration. Biological Bulletin, 2005, 209, 184-193.	0.7	66
4	Muscle regeneration in holothurians. Microscopy Research and Technique, 2001, 55, 452-463.	1.2	60
5	Post-autotomy regeneration of respiratory trees in the holothurian Apostichopus japonicus (Holothuroidea, Aspidochirotida). Cell and Tissue Research, 2009, 336, 41-58.	1.5	47
6	Regeneration of the Digestive Tube in the Holothurian Apostichopus japonicusafter Evisceration. Russian Journal of Marine Biology, 2001, 27, 168-173.	0.2	35
7	Muscle regeneration in the holothurian Stichopus japonicus. Roux's Archives of Developmental Biology, 1996, 205, 486-493.	1.2	34
8	Asexual Reproduction in Holothurians. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	33
9	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
10	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
11	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
12	Regenerating holothurian tissues as a source of cells for long-term cell cultures. Marine Biology, 2005, 146, 915-921.	0.7	28
13	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
14	Molecular mechanisms of fission in echinoderms: Transcriptome analysis. PLoS ONE, 2018, 13, e0195836.	1.1	28
15	Structure of the Digestive Tube in the Holothurian Eupentacta fraudatrix (Holothuroidea:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.2	24
16	Derivation of muscles of the Aristotleâ€™s lantern from coelomic epithelia. Cell and Tissue Research, 2006, 327, 371-384.	1.5	23
17	The Eupentacta fraudatrix transcriptome provides insights into regulation of cell transdifferentiation. Scientific Reports, 2020, 10, 1522.	1.6	23
18	Molecular Aspects of Regeneration Mechanisms in Holothurians. Genes, 2021, 12, 250.	1.0	23

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19	Proteases from the Regenerating Gut of the Holothurian Eupentacta fraudatrix. PLoS ONE, 2013, 8, e58433.	1.1	19
20	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
21	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
22	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
23	Development of respiratory trees in the holothurian Apostichopus japonicus (Aspidochirotida:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.5	17
24	Metamorphosis and definitive organogenesis in the holothurian Apostichopus japonicus. Zoomorphology, 2016, 135, 173-188.	0.4	17
25	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
26	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
27	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
28	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
29	Functional morphology of the developing alimentary canal in the holothurian Eupentacta fraudatrix (Holothuroidea, Dendrochirota). Acta Zoologica, 2004, 85, 29-39.	0.6	15
30	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
31	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
32	Title is missing!. Russian Journal of Marine Biology, 2001, 27, 367-375.	0.2	14
33	Metalloproteinase inhibitor GM6001 delays regeneration in holothurians. Tissue and Cell, 2019, 59, 1-9.	1.0	14
34	Matrix Metalloproteinases and Tissue Inhibitors of Metalloproteinases in Echinoderms: Structure and Possible Functions. Cells, 2021, 10, 2331.	1.8	14
35	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
36	Reference assembly and gene expression analysis of Apostichopus japonicus larval development. Scientific Reports, 2019, 9, 1131.	1.6	13

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37	Expression of Piwi, MMP, TIMP, and Sox during Gut Regeneration in Holothurian Eupentacta fraudatrix (Holothuroidea, Dendrochirotida). Genes, 2021, 12, 1292.	1.0	12
38	Juxtaligamental cells in the arm of the brittlestar Amphipholis kochii LÃ¼tken, 1872 (Echinodermata:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	11
39	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
40	Autotomy of the Visceral Mass in the Feather Star Himerometra robustipinna (Crinoidea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.7	11
41	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
42	Anterior regeneration after fission in the holothurianCladolabes schmeltzii(Dendrochirotida:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.2	11
43	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
44	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
45	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
46	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
47	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
48	Different Macrophage Type Triggering as Target of the Action of Biologically Active Substances from Marine Invertebrates. Marine Drugs, 2020, 18, 37.	2.2	8
49	Variability of Regeneration Mechanisms in Echinoderms. Russian Journal of Marine Biology, 2020, 46, 391-404.	0.2	8
50	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
51	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
52	Title is missing!. Russian Journal of Marine Biology, 2001, 27, 320-328.	0.2	6
53	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
54	Autotomy and regeneration of the visceral mass in feather stars. Zoomorphology, 2020, 139, 171-187.	0.4	5

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55	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
56	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
57	Digestive system formation during the metamorphosis and definitive organogenesis in Apostichopus japonicus. Zoomorphology, 2017, 136, 191-204.	0.4	4
58	The ultrastructural features of embryonic and early larval development in Yesso scallop, Mizuhopecten yessoensis. Tissue and Cell, 2018, 53, 76-86.	1.0	4
59	Title is missing!. Russian Journal of Marine Biology, 2003, 29, 123-125.	0.2	3
60	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
61	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
62	Title is missing!. Russian Journal of Marine Biology, 2001, 27, 376-382.	0.2	2
63	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
64	Formation of the ectodermal organs during the metamorphosis and definitive organogenesis in the holothurian Apostichopus japonicus. Zoomorphology, 2018, 137, 545-564.	0.4	2
65	Development and evolution of the muscle system in the Echinodermata. , 2009, , 163-166.		2
66	Markers for immunity deficiency in lead-treated holothurians. , 2009, , 359-362.		0
67	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