

Aleksandra S Tsarkova

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

609
citations

11
h-index

24
g-index

42
ext. papers

774
ext. citations

8.4
avg, IF

3.83
L-index

#	Paper	IF	Citations
33	Unexpected Coelenterazine Degradation Products of Photoprotein Photoinactivation. <i>Organic Letters</i> , 2021 , 23, 6846-6849	6.2	0
32	Chaetopterus variopedatus Bioluminescence: A Review of Light Emission within a Species Complex. <i>Photochemistry and Photobiology</i> , 2020 , 96, 768-778	3.6	2
31	Plants with genetically encoded autoluminescence. <i>Nature Biotechnology</i> , 2020 , 38, 944-946	44.5	41
30	6,7-Dialcoxy-Benzothiophene Derivatives as the Basis for Synthesis of Fluorescent Sensors for Reactive Oxygen Species. <i>Russian Journal of Bioorganic Chemistry</i> , 2020 , 46, 1289-1292	1	0
29	Heterologous Metabolic Pathways: Strategies for Optimal Expression in Eukaryotic Hosts. <i>Acta Naturae</i> , 2020 , 12, 28-39	2.1	1
28	Bioluminescence chemistry of fireworm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 18911-18916	11.5	18
27	Optimization of Fungal Luciferin Synthesis. <i>Russian Journal of Bioorganic Chemistry</i> , 2019 , 45, 183-185	1	2
26	Luciferin-Luciferase System of Marine Polychaete Chaetopterus variopedatus. <i>Doklady Biochemistry and Biophysics</i> , 2019 , 486, 209-212	0.8	3
25	Luminous Fungi 2019 , 301-348		
24	Annelida 2019 , 235-282		
23	The Fireflies and Luminous Insects 2019 , 1-31		
22	Isolation and Purification of Fungal Luciferase from <i>Neonothopanus nimbi</i> . <i>Doklady Biochemistry and Biophysics</i> , 2018 , 480, 177-180	0.8	1
21	Genetically encodable bioluminescent system from fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12728-12732	11.5	77
20	Progress in the Study of Bioluminescent Earthworms. <i>Photochemistry and Photobiology</i> , 2017 , 93, 416-428	3.6	11
19	Mechanism and color modulation of fungal bioluminescence. <i>Science Advances</i> , 2017 , 3, e1602847	14.3	56
18	Selected Least Studied but not Forgotten Bioluminescent Systems. <i>Photochemistry and Photobiology</i> , 2017 , 93, 405-415	3.6	20
17	Struggle for photostability: Bleaching mechanisms of fluorescent proteins. <i>Russian Journal of Bioorganic Chemistry</i> , 2017 , 43, 625-633	1	8

16	Structure of fungal oxyluciferin, the product of the bioluminescence reaction. <i>Doklady Biochemistry and Biophysics</i> , 2017 , 477, 360-363	0.8	
15	1001 lights: luciferins, luciferases, their mechanisms of action and applications in chemical analysis, biology and medicine. <i>Chemical Society Reviews</i> , 2016 , 45, 6048-6077	58.5	172
14	Conformationally locked chromophores of CFP and Sirius protein. <i>Tetrahedron Letters</i> , 2016 , 57, 3043-3045	0.8	8
13	Nambiscalarane, a novel sesterterpenoid comprising a furan ring, and other secondary metabolites from bioluminescent fungus <i>Neonothopanus nambi</i> . <i>Mendeleev Communications</i> , 2016 , 26, 191-192	1.9	4
12	A Tale Of Two Luciferins: Fungal and Earthworm New Bioluminescent Systems. <i>Accounts of Chemical Research</i> , 2016 , 49, 2372-2380	24.3	22
11	Novel mechanism of bioluminescence: oxidative decarboxylation of a moiety adjacent to the light emitter of <i>Fridericia luciferin</i> . <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7065-7	16.4	21
10	Total synthesis of AsLn2 luciferin analogue from the Siberian bioluminescent earthworm <i>Fridericia heliota</i> . <i>Mendeleev Communications</i> , 2015 , 25, 99-100	1.9	4
9	Titelbild: The Chemical Basis of Fungal Bioluminescence (Angew. Chem. 28/2015). <i>Angewandte Chemie</i> , 2015 , 127, 8113-8113	3.6	
8	The Chemical Basis of Fungal Bioluminescence. <i>Angewandte Chemie</i> , 2015 , 127, 8242-8246	3.6	7
7	Novel Mechanism of Bioluminescence: Oxidative Decarboxylation of a Moiety Adjacent to the Light Emitter of <i>Fridericia Luciferin</i> . <i>Angewandte Chemie</i> , 2015 , 127, 7171-7173	3.6	2
6	The Chemical Basis of Fungal Bioluminescence. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8124-8124	4.8	66
5	Novel peptide chemistry in terrestrial animals: natural luciferin analogues from the bioluminescent earthworm <i>Fridericia heliota</i> . <i>Chemistry - A European Journal</i> , 2015 , 21, 3942-7	4.8	7
4	A novel type of luciferin from the Siberian luminous earthworm <i>Fridericia heliota</i> : structure elucidation by spectral studies and total synthesis. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5566-8	16.4	33
3	CompX, a luciferin-related tyrosine derivative from the bioluminescent earthworm <i>Fridericia heliota</i> . Structure elucidation and total synthesis. <i>Tetrahedron Letters</i> , 2014 , 55, 460-462	2	11
2	A Novel Type of Luciferin from the Siberian Luminous Earthworm <i>Fridericia heliota</i> : Structure Elucidation by Spectral Studies and Total Synthesis. <i>Angewandte Chemie</i> , 2014 , 126, 5672-5674	3.6	6
1	Plants with self-sustained luminescence		3