Zinaida M Kaskova

List of Publications by Citations

23 papers	502 citations	8 h-index	22 g-index
27 ext. papers	618 ext. citations	8.2 avg, IF	3.6 L-index

#	Paper	IF	Citations
23	1001 lights: luciferins, luciferases, their mechanisms of action and applications in chemical analysis, biology and medicine. *Chemical Society Reviews*, **2016**, 45, 6048-6077	58.5	172
22	Genetically encodable bioluminescent system from fungi. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 12728-12732	11.5	77
21	The Chemical Basis of Fungal Bioluminescence. *Angewandte Chemie - International Edition*, **2015**, 54, 8124-8128	16.4	66
20	Mechanism and color modulation of fungal bioluminescence. *Science Advances*, **2017**, 3, e1602847	14.3	56
19	Acid-promoted synthesis of per-O-sulfated fucooligosaccharides related to fucoidan fragments. *Carbohydrate Research*, **2011**, 346, 540-50	2.9	42
18	A Tale Of Two Luciferins: Fungal and Earthworm New Bioluminescent Systems. *Accounts of Chemical Research*, **2016**, 49, 2372-2380	24.3	22
17	Novel mechanism of bioluminescence: oxidative decarboxylation of a moiety adjacent to the light emitter of Fridericia luciferin. *Angewandte Chemie - International Edition*, **2015**, 54, 7065-7	16.4	21
16	Bioluminescence chemistry of fireworm. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 18911-18916	11.5	18
15	The Chemical Basis of Fungal Bioluminescence. *Angewandte Chemie*, **2015**, 127, 8242-8246	3.6	7
14	Novel peptide chemistry in terrestrial animals: natural luciferin analogues from the bioluminescent earthworm Fridericia heliota. *Chemistry - A European Journal*, **2015**, 21, 3942-7	4.8	7
13	Diffusion properties of bilayer membranes based on MC-40 and MF-4SC modified with silicon and zirconium oxides. *Russian Journal of Inorganic Chemistry*, **2010**, 55, 479-483	1.5	6
12	Optimization of Fungal Luciferin Synthesis. *Russian Journal of Bioorganic Chemistry*, **2019**, 45, 183-185	1	2
11	Novel Mechanism of Bioluminescence: Oxidative Decarboxylation of a Moiety Adjacent to the Light Emitter of Fridericia Luciferin. *Angewandte Chemie*, **2015**, 127, 7171-7173	3.6	2
10	A bioluminescent system of fungi: prospects for application in medical research. *Bulletin of Russian State Medical University*, **2018**, 74-77	0.4	1
9	□C-Mannosyltryptophan is a Structural Analog of the Luciferin from Bioluminescent Siberian Earthworm Henlea sp.. *ChemistrySelect*, **2020**, 5, 13155-13159	1.8	0
8	Unexpected Coelenterazine Degradation Products of Photoprotein Photoinactivation. *Organic Letters*, **2021**, 23, 6846-6849	6.2	0
7	Synthetic analogue of Fridericia luciferin with improved spectral properties. *Russian Journal of Bioorganic Chemistry*, **2017**, 43, 223-225	1	

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6	Synthesis of Panal Terpenoid Core. *Synlett*, **2017**, 28, 583-588	2.2
5	Titelbild: The Chemical Basis of Fungal Bioluminescence (Angew. Chem. 28/2015). *Angewandte Chemie*, **2015**, 127, 8113-8113	3.6
4	Bioluminescent imaging: new opportunities. *Bulletin of Russian State Medical University*, **2018**, 87-90	0.4
3	Luminous Fungi **2019**, 301-348	
2	Other Luminous Organisms **2019**, 349-379	
1	Autonomous bioluminescent systems: prospects for use in the imaging of living organisms. *Bulletin of Russian State Medical University*, **2019**, 62-65	0.4