Elena V Eremeeva

List of Publications by Year
in descending order

21 papers	273 citations	933264 10 h-index	887953 17 g-index
22 all docs	22 docs citations	22 times ranked	142 citing authors

#	Article	IF	Citations
1	Specific Activities of Hydromedusan Ca²⁺â€Regulated Photoproteins. Photochemistry and Photobiology, 2022, 98, 276-284.	1.3	5
2	Crystal structure of semisynthetic obelinâ€•v. Protein Science, 2021, , .	3.1	4
3	Bioluminescent Properties of Semi-Synthetic Obelin and Aequorin Activated by Coelenterazine Analogues with Modifications of C-2, C-6, and C-8 Substituents. International Journal of Molecular Sciences, 2020, 21, 5446.	1.8	7
4	Luminescence Activity Decreases When v â€coelenterazine Replaces Coelenterazine in Calciumâ€Regulated Photoproteinâ€"A Theoretical and Experimental Study. Photochemistry and Photobiology, 2020, 96, 1047-1060.	1.3	10
5	The interaction of C-terminal Tyr208 and Tyr13 of the first Î±-helix ensures a closed conformation of ctenophore photoprotein berovin. Photochemical and Photobiological Sciences, 2020, 19, 313-323.	1.6	0
6	Exploring Bioluminescence Function of the Ca²⁺â€regulated Photoproteins with Siteâ€directed Mutagenesis. Photochemistry and Photobiology, 2019, 95, 8-23.	1.3	14
7	Bioluminescent and biochemical properties of Cys-free Ca 2+ -regulated photoproteins obelin and aequorin. Journal of Photochemistry and Photobiology B: Biology, 2017, 174, 97-105.	1.7	2
8	Unanimous Model for Describing the Fast Bioluminescence Kinetics of Ca²⁺â€regulated Photoproteins of Different Organisms. Photochemistry and Photobiology, 2017, 93, 495-502.	1.3	9
9	Transientâ€state kinetic analysis of complex formation between photoprotein clytin and <scp>GFP</scp> from jellyfish <i>Clytia gregaria</i>. FEBS Letters, 2016, 590, 307-316.	1.3	3
10	Mitrocomin from the jellyfish Mitrocoma cellularia with deleted C-terminal tyrosine reveals a higher bioluminescence activity compared to wild type photoprotein. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 286-297.	1.7	18
11	Role of certain amino acid residues of the coelenterazine-binding cavity in bioluminescence of light-sensitive Ca2+-regulated photoprotein berovin. Photochemical and Photobiological Sciences, 2016, 15, 691-704.	1.6	12
12	Structures of the Ca²⁺-regulated photoprotein obelin Y138F mutant before and after bioluminescence support the catalytic function of a water molecule in the reaction. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 720-732.	2.5	23
13	Hydrogen-bond networks between the C-terminus and Arg from the first Î±-helix stabilize photoprotein molecules. Photochemical and Photobiological Sciences, 2014, 13, 541-547.	1.6	15
14	Highly active BRET-reporter based on yellow mutant of Renilla muelleri luciferase. Doklady Biochemistry and Biophysics, 2013, 450, 147-150.	0.3	1
15	Role of key residues of obelin in coelenterazine binding and conversion into 2-hydroperoxy adduct. Journal of Photochemistry and Photobiology B: Biology, 2013, 127, 133-139.	1.7	26
16	Oxygen Activation of Apoâ€obelinâ€"Coelenterazine Complex. ChemBioChem, 2013, 14, 739-745.	1.3	31
17	Bioluminescent and spectroscopic properties of Hisâ€"Trpâ€"Tyr triad mutants of obelin and aequorin. Photochemical and Photobiological Sciences, 2013, 12, 1016-1024.	1.6	30
18	Ligand binding and conformational states of the photoprotein obelin. FEBS Letters, 2012, 586, 4173-4179.	1.3	4

#	Article	IF	Citations
19	The intrinsic fluorescence of apoâ€obelin and apoâ€aequorin and use of its quenching to characterize coelenterazine binding. FEBS Letters, 2009, 583, 1939-1944.	1.3	28
20	Picosecond Fluorescence Relaxation Spectroscopy of the Calcium-Discharged Photoproteins Aequorin and Obelin. Biochemistry, 2009, 48, 10486-10491.	1.2	28
21	THE MAIN FUNCTION OF HIS175, TRP179, AND TYR190 RESIDUES OF THE OBELIN BINDING SITE IS TO STABILIZE THE HYDROPEROXYCOELENTERAZINE INTERMEDIATE. , 2007, , .		1