

# Elena V Ereemeeva

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Oxygen Activation of Apo-Obelin-Coelenterazine Complex. <i>ChemBioChem</i> , 2013, 14, 739-745.	1.3	31
2	Bioluminescent and spectroscopic properties of His-Trp-Tyr triad mutants of obelin and aequorin. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1016-1024.	1.6	30
3	The intrinsic fluorescence of apo-obelin and apo-aequorin and use of its quenching to characterize coelenterazine binding. <i>FEBS Letters</i> , 2009, 583, 1939-1944.	1.3	28
4	Picosecond Fluorescence Relaxation Spectroscopy of the Calcium-Discharged Photoproteins Aequorin and Obelin. <i>Biochemistry</i> , 2009, 48, 10486-10491.	1.2	28
5	Role of key residues of obelin in coelenterazine binding and conversion into 2-hydroperoxy adduct. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 127, 133-139.	1.7	26
6	Structures of the Ca <sup>2+</sup> -regulated photoprotein obelin Y138F mutant before and after bioluminescence support the catalytic function of a water molecule in the reaction. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 720-732.	2.5	23
7	Mitrocomin from the jellyfish <i>Mitrocoma cellularia</i> with deleted C-terminal tyrosine reveals a higher bioluminescence activity compared to wild type photoprotein. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 286-297.	1.7	18
8	Hydrogen-bond networks between the C-terminus and Arg from the first $\alpha$ -helix stabilize photoprotein molecules. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 541-547.	1.6	15
9	Exploring Bioluminescence Function of the Ca <sup>2+</sup> -regulated Photoproteins with Site-directed Mutagenesis. <i>Photochemistry and Photobiology</i> , 2019, 95, 8-23.	1.3	14
10	Role of certain amino acid residues of the coelenterazine-binding cavity in bioluminescence of light-sensitive Ca <sup>2+</sup> -regulated photoprotein berovin. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 691-704.	1.6	12
11	Luminescence Activity Decreases When $\nu$ -coelenterazine Replaces Coelenterazine in Calcium-Regulated Photoprotein—A Theoretical and Experimental Study. <i>Photochemistry and Photobiology</i> , 2020, 96, 1047-1060.	1.3	10
12	Unanimous Model for Describing the Fast Bioluminescence Kinetics of Ca <sup>2+</sup> -regulated Photoproteins of Different Organisms. <i>Photochemistry and Photobiology</i> , 2017, 93, 495-502.	1.3	9
13	Bioluminescent Properties of Semi-Synthetic Obelin and Aequorin Activated by Coelenterazine Analogues with Modifications of C-2, C-6, and C-8 Substituents. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5446.	1.8	7
14	Specific Activities of Hydromedusan Ca <sup>2+</sup> -Regulated Photoproteins. <i>Photochemistry and Photobiology</i> , 2022, 98, 276-284.	1.3	5
15	Ligand binding and conformational states of the photoprotein obelin. <i>FEBS Letters</i> , 2012, 586, 4173-4179.	1.3	4
16	Crystal structure of semisynthetic obelin- $\nu$ . <i>Protein Science</i> , 2021, , .	3.1	4
17	Transient-state kinetic analysis of complex formation between photoprotein clytin and GFP from jellyfish <i>Clytia gregaria</i> . <i>FEBS Letters</i> , 2016, 590, 307-316.	1.3	3
18	Bioluminescent and biochemical properties of Cys-free Ca <sup>2+</sup> -regulated photoproteins obelin and aequorin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 174, 97-105.	1.7	2

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19	THE MAIN FUNCTION OF HIS175, TRP179, AND TYR190 RESIDUES OF THE OBELIN BINDING SITE IS TO STABILIZE THE HYDROPEROXYCOELENTERAZINE INTERMEDIATE. , 2007, , .		1
20	Highly active BRET-reporter based on yellow mutant of Renilla muelleri luciferase. Doklady Biochemistry and Biophysics, 2013, 450, 147-150.	0.3	1
21	The interaction of C-terminal Tyr208 and Tyr13 of the first $\alpha$ -helix ensures a closed conformation of ctenophore photoprotein berovin. Photochemical and Photobiological Sciences, 2020, 19, 313-323.	1.6	0