Cassius V Stevani

List of Publications by Year
in descending order

56	1,364	304743 22	361022 35
papers	citations	h-index	g-index

60	60	60	1017
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetically encodable bioluminescent system from fungi. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12728-12732.	7.1	130
2	Studies on the Mechanism of the Excitation Step in Peroxyoxalate Chemiluminescence. European Journal of Organic Chemistry, 2000, 2000, 4037-4046.	2.4	118
3	Fungi bioluminescence revisited. Photochemical and Photobiological Sciences, 2008, 7, 170-182.	2.9	111
4	Mechanism and color modulation of fungal bioluminescence. Science Advances, 2017, 3, e1602847.	10.3	74
5	Circadian Control Sheds Light on Fungal Bioluminescence. Current Biology, 2015, 25, 964-968.	3.9	65
6	Evidence that a single bioluminescent system is shared by all known bioluminescent fungal lineages. Photochemical and Photobiological Sciences, 2012, 11, 848-852.	2.9	61
7	Studies on the chemiexcitation step in peroxyoxalate chemiluminescence using steroid-substituted activators. Luminescence, 2002, 17, 362-369.	2.9	54
8	The enzymatic nature of fungal bioluminescence. Photochemical and Photobiological Sciences, 2009, 8, 1416-1421.	2.9	45
9	Kinetic studies on the peroxyoxalate chemiluminescent reaction: imidazole as a nucleophilic catalyst. Journal of the Chemical Society Perkin Transactions II, 1996, , 989.	0.9	44
10	Kinetic studies on the peroxyoxalate chemiluminescence reaction: determination of the cyclization rate constant. Luminescence, 2002, 17, 313-320.	2.9	42
11	1,3-Diene Probes for Detection of Triplet Carbonyls in Biological Systems. Chemical Research in Toxicology, 2007, 20, 1162-1169.	3.3	41
12	LuminescentMycena: new and noteworthy species. Mycologia, 2010, 102, 459-477.	1.9	39
13	Synthesis and characterisation of an intermediate in the peroxyoxalate chemiluminescence: 4-chlorophenyl O,O-hydrogen monoperoxyoxalate. Journal of the Chemical Society Perkin Transactions II, 1996, , 1645.	0.9	31
14	Kinetic studies on the chemiluminescent decomposition of an isolated intermediate in the peroxyoxalate reaction. Journal of Physical Organic Chemistry, 1997, 10, 593-599.	1.9	31
15	Selected Least Studied but not Forgotten Bioluminescent Systems. Photochemistry and Photobiology, 2017, 93, 405-415.	2.5	30
16	Current Status of Research on Fungal Bioluminescence: Biochemistry and Prospects for Ecotoxicological Application. Photochemistry and Photobiology, 2013, 89, 1318-1326.	2.5	29
17	Metal cation toxicity in the alga Gracilaria domingensis as evaluated by the daily growth rates in synthetic seawater. Journal of Applied Phycology, 2013, 25, 1939-1947.	2.8	28
18	Identification of hispidin as a bioluminescent active compound and its recycling biosynthesis in the luminous fungal fruiting body. Photochemical and Photobiological Sciences, 2017, 16, 1435-1440.	2.9	28

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19	Bioluminescent Mycena species from Sao Paulo, Brazil. Mycologia, 2007, 99, 317-331.	1.9	26
20	Mechanism of automotive clearcoat damage by dragonfly eggs investigated by surface enhanced Raman scattering. Polymer Degradation and Stability, 2000, 68, 61-66.	5.8	24
21	Vision in click beetles (Coleoptera: Elateridae): pigments and spectral correspondence between visual sensitivity and species bioluminescence emission. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2010, 196, 629-638.	1.6	23
22	Evaluation of metal toxicity by a modified method based on the fungus Gerronema viridilucens bioluminescence in agar medium. Environmental Toxicology and Chemistry, 2010, 29, 320-326.	4.3	23
23	Prediction of metal cation toxicity to the bioluminescent fungus Gerronema viridilucens. Environmental Toxicology and Chemistry, 2010, 29, 2177-2181.	4.3	19
24	Neonothopanus gardneri: a new combination for a bioluminescent agaric from Brazil. Mycologia, 2011, 103, 1433-1440.	1.9	19
25	Influence of culture conditions on mycelial growth and bioluminescence ofGerronema viridilucens. FEMS Microbiology Letters, 2008, 282, 132-139.	1.8	17
26	Thoughts on the diversity of convergent evolution of bioluminescence on earth. International Journal of Astrobiology, 2012, 11, 335-343.	1.6	14
27	Immunoassay for Human IgG Using Antibody-functionalized Silver Nanoparticles. Analytical Sciences, 2017, 33, 1111-1114.	1.6	13
28	Oxidative Modification of Proteins: From Damage to Catalysis, Signaling, and Beyond. Antioxidants and Redox Signaling, 2021, 35, 1016-1080.	5.4	13
29	QuimiluminescÃªncia orgÃ¢nica: alguns experimentos de demonstraÃ§Ã£o para a sala de aula. Quimica Nova, 1998, 21, 772-779.	0.3	12
30	Neoceroplatus betaryiensis nov. sp. (Diptera: Keroplatidae) is the first record of a bioluminescent fungus-gnat in South America. Scientific Reports, 2019, 9, 11291.	3.3	11
31	Automotive clearcoat damage due to oviposition of dragonflies. Journal of Applied Polymer Science, 2000, 75, 1632-1639.	2.6	10
32	Evaluation of Phenolic Compound Toxicity Using a Bioluminescent Assay with the Fungus Gerronema viridilucens. Environmental Toxicology and Chemistry, 2020, 39, 1558-1565.	4.3	10
33	O sistema quimiluminescente perÃ³xi-oxalato. Quimica Nova, 1999, 22, 715-723.	0.3	10
34	Prediction of monoâ€‚biâ€‚and trivalent metal cation relative toxicity to the seaweed Gracilaria domingensis (Gracilariales, Rhodophyta) in synthetic seawater. Environmental Toxicology and Chemistry, 2013, 32, 2571-2575.	4.3	9
35	Brazilian Bioluminescent Beetles: Reflections on Catching Glimpses of Light in the Atlantic Forest and Cerrado. Anais Da Academia Brasileira De Ciencias, 2018, 90, 663-679.	0.8	9
36	5-Aminolevulinic acid: A matter of life and caveats. Journal of Photochemistry and Photobiology, 2021, 7, 100036.	2.5	9

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37	Toxic effect of metal cation binary mixtures to the seaweed Gracilaria domingensis (Gracilariales,) Tj ETQq1 1 0.784314 rgBT /Overloc	5.3	8
38	Characterizing the Bioluminescence of the Humboldt Squid, Dosidicus gigas (d'Orbigny, 1835): One of the Largest Luminescent Animals in the World. Photochemistry and Photobiology, 2019, 95, 1179-1185.	2.5	8
39	Overview of four Agaricus subrufescens strains used in the last 15 years in Brazil and other countries and current potential materials for the future. Mycological Progress, 2021, 20, 953-966.	1.4	8
40	Toxicity of metal cations and phenolic compounds to the bioluminescent fungus Neonothopanus gardneri. Environmental Advances, 2021, 4, 100044.	4.8	7
41	Influence of strains and environmental cultivation conditions on the bioconversion of ergosterol and vitamin <scp>D₂</scp> in the sun mushroom. Journal of the Science of Food and Agriculture, 2022, 102, 1699-1706.	3.5	7
42	New luminescent mycenoid fungi (Basidiomycota, Agaricales) from SÃ£o Paulo State, Brazil. Mycologia, 2016, 108, 1165-1174.	1.9	7
43	Bioluminescence in Polynoid Scale Worms (Annelida: Polynoidae). Frontiers in Marine Science, 2021, 8, .	2.5	6
44	BioluminescÃªncia de fungos: distribuiÃ§Ã£o, funÃ§Ã£o e mecanismo de emissÃ£o de luz. Quimica Nova, 2013, 36, 314-319.	0.3	5
45	Metabolomics of the wild mushroom Gymnopilus imperialis (Agaricomycetes, Basidiomycota) by UHPLC-HRMS/MS analysis and molecular network. Fungal Biology, 2022, 126, 132-138.	2.5	5
46	"Photo" Chemistry Without Light?. Journal of the Brazilian Chemical Society, 2015, , .	0.6	4
47	<scp>l</scp>â€Tryptophan Interactions with the Horseradish Peroxidaseâ€Catalyzed Generation of Triplet Acetone. Photochemistry and Photobiology, 2021, 97, 327-334.	2.5	3
48	Chemical, biological and evolutionary aspects of beetle bioluminescence. Arkivoc, 2007, 2007, 311-323.	0.5	3
49	Aerobic co-oxidation of hemoglobin and aminoacetone, a putative source of methylglyoxal. Free Radical Biology and Medicine, 2021, 166, 178-186.	2.9	2
50	Optimized methodology for obtention of high-yield and -quality RNA from the mycelium of the bioluminescent fungus Neonothopanus gardneri. Journal of Microbiological Methods, 2021, 191, 106348.	1.6	2
51	Cysteic acid is the chemical mediator of automotive clearcoat damage promoted by dragonfly eggs. Journal of Applied Polymer Science, 2001, 81, 1549-1554.	2.6	1
52	History of the Bioluminescent Fungi Flor-de-Coco (Neonothopanus gardneri) and Effects of Culture Conditions on Light Emission. Revista Virtual De Quimica, 2015, 7, .	0.4	1
53	Exploring the Microbiota of the Guarapiranga Water Reservoir With Long-Read Sequencing Technology. Frontiers in Marine Science, 2021, 8, .	2.5	1
54	BRAZILIAN SPECIES OF BIOLUMINESCENCE FUNGI. , 2007, , .		0

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55	The new species Neoceroplatus betaryiensis nov. sp. (Diptera: Keroplatidae) from Neotropical Region. Papeis Avulsos De Zoologia, 2019, 59, e20195944.	0.4	0
56	"Photo"chemistry Without Light?. Revista Virtual De Quimica, 2015, 7, .	0.4	0