

Cassius V Stevani

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,364
citations

304743

22
h-index

361022

35
g-index

60
all docs

60
docs citations

60
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of strains and environmental cultivation conditions on the bioconversion of ergosterol and vitamin D ₂ in the sun mushroom. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 1699-1706.	3.5	7
2	Metabolomics of the wild mushroom <i>Gymnopilus imperialis</i> (Agaricomycetes, Basidiomycota) by UHPLC-HRMS/MS analysis and molecular network. <i>Fungal Biology</i> , 2022, 126, 132-138.	2.5	5
3	Tryptophan Interactions with the Horseradish Peroxidase-Catalyzed Generation of Triplet Acetone. <i>Photochemistry and Photobiology</i> , 2021, 97, 327-334.	2.5	3
4	Bioluminescence in Polynoid Scale Worms (Annelida: Polynoidae). <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	6
5	Aerobic co-oxidation of hemoglobin and aminoacetone, a putative source of methylglyoxal. <i>Free Radical Biology and Medicine</i> , 2021, 166, 178-186.	2.9	2
6	Oxidative Modification of Proteins: From Damage to Catalysis, Signaling, and Beyond. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1016-1080.	5.4	13
7	Toxicity of metal cations and phenolic compounds to the bioluminescent fungus <i>Neonothopanus gardneri</i> . <i>Environmental Advances</i> , 2021, 4, 100044.	4.8	7
8	Overview of four <i>Agaricus subrufescens</i> strains used in the last 15 years in Brazil and other countries and current potential materials for the future. <i>Mycological Progress</i> , 2021, 20, 953-966.	1.4	8
9	5-Aminolevulinic acid: A matter of life and caveats. <i>Journal of Photochemistry and Photobiology</i> , 2021, 7, 100036.	2.5	9
10	Optimized methodology for obtention of high-yield and -quality RNA from the mycelium of the bioluminescent fungus <i>Neonothopanus gardneri</i> . <i>Journal of Microbiological Methods</i> , 2021, 191, 106348.	1.6	2
11	Exploring the Microbiota of the Guarapiranga Water Reservoir With Long-Read Sequencing Technology. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	1
12	Evaluation of Phenolic Compound Toxicity Using a Bioluminescent Assay with the Fungus <i>Gerronema viridilucens</i> . <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1558-1565.	4.3	10
13	<i>Neoceroplatus betaryiensis</i> nov. sp. (Diptera: Keroplatidae) is the first record of a bioluminescent fungus-gnat in South America. <i>Scientific Reports</i> , 2019, 9, 11291.	3.3	11
14	Characterizing the Bioluminescence of the Humboldt Squid, <i>Dosidicus gigas</i> (d'Orbigny, 1835): One of the Largest Luminescent Animals in the World. <i>Photochemistry and Photobiology</i> , 2019, 95, 1179-1185.	2.5	8
15	The new species <i>Neoceroplatus betaryiensis</i> nov. sp. (Diptera: Keroplatidae) from Neotropical Region. <i>Papeis Avulsos De Zoologia</i> , 2019, 59, e20195944.	0.4	0
16	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.	7.1	130
17	Brazilian Bioluminescent Beetles: Reflections on Catching Glimpses of Light in the Atlantic Forest and Cerrado. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 663-679.	0.8	9
18	Mechanism and color modulation of fungal bioluminescence. <i>Science Advances</i> , 2017, 3, e1602847.	10.3	74

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19	Selected Least Studied but not Forgotten Bioluminescent Systems. <i>Photochemistry and Photobiology</i> , 2017, 93, 405-415.	2.5	30
20	Identification of hispidin as a bioluminescent active compound and its recycling biosynthesis in the luminous fungal fruiting body. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1435-1440.	2.9	28
21	Immunoassay for Human IgG Using Antibody-functionalized Silver Nanoparticles. <i>Analytical Sciences</i> , 2017, 33, 1111-1114.	1.6	13
22	New luminescent mycenoid fungi (Basidiomycota, Agaricales) from São Paulo State, Brazil. <i>Mycologia</i> , 2016, 108, 1165-1174.	1.9	7
23	"Photo" Chemistry Without Light?. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	4
24	Circadian Control Sheds Light on Fungal Bioluminescence. <i>Current Biology</i> , 2015, 25, 964-968.	3.9	65
25	History of the Bioluminescent Fungi <i>Flor-de-Coco</i> (<i>Neonothopanus gardneri</i>) and Effects of Culture Conditions on Light Emission. <i>Revista Virtual De Quimica</i> , 2015, 7, .	0.4	1
26	"Photo"chemistry Without Light?. <i>Revista Virtual De Quimica</i> , 2015, 7, .	0.4	0
27	Toxic effect of metal cation binary mixtures to the seaweed <i>Gracilaria domingensis</i> (Gracilariales.) <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i>	5.3	8
28	Prediction of monoâ€, biâ€, and trivalent metal cation relative toxicity to the seaweed <i>Gracilaria domingensis</i> (Gracilariales, Rhodophyta) in synthetic seawater. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2571-2575.	4.3	9
29	Metal cation toxicity in the alga <i>Gracilaria domingensis</i> as evaluated by the daily growth rates in synthetic seawater. <i>Journal of Applied Phycology</i> , 2013, 25, 1939-1947.	2.8	28
30	Current Status of Research on Fungal Bioluminescence: Biochemistry and Prospects for Ecotoxicological Application. <i>Photochemistry and Photobiology</i> , 2013, 89, 1318-1326.	2.5	29
31	Bioluminescência de fungos: distribuiÃ£o, funÃ§Ã£o e mecanismo de emissÃ£o de luz. <i>Quimica Nova</i> , 2013, 36, 314-319.	0.3	5
32	Thoughts on the diversity of convergent evolution of bioluminescence on earth. <i>International Journal of Astrobiology</i> , 2012, 11, 335-343.	1.6	14
33	Evidence that a single bioluminescent system is shared by all known bioluminescent fungal lineages. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 848-852.	2.9	61
34	<i>Neonothopanus gardneri</i> : a new combination for a bioluminescent agaric from Brazil. <i>Mycologia</i> , 2011, 103, 1433-1440.	1.9	19
35	Vision in click beetles (Coleoptera: Elateridae): pigments and spectral correspondence between visual sensitivity and species bioluminescence emission. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010, 196, 629-638.	1.6	23
36	Prediction of metal cation toxicity to the bioluminescent fungus <i>Gerronema viridilucens</i> . <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2177-2181.	4.3	19

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37	Evaluation of metal toxicity by a modified method based on the fungus <i>Gerronema viridilucens</i> bioluminescence in agar medium. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 320-326.	4.3	23
38	Luminescent <i>Mycena</i> : new and noteworthy species. <i>Mycologia</i> , 2010, 102, 459-477.	1.9	39
39	The enzymatic nature of fungal bioluminescence. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1416-1421.	2.9	45
40	Fungi bioluminescence revisited. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 170-182.	2.9	111
41	Influence of culture conditions on mycelial growth and bioluminescence of <i>Gerronema viridilucens</i> . <i>FEMS Microbiology Letters</i> , 2008, 282, 132-139.	1.8	17
42	BRAZILIAN SPECIES OF BIOLUMINESCENCE FUNGI., 2007, , .		0
43	Bioluminescent <i>Mycena</i> species from Sao Paulo, Brazil. <i>Mycologia</i> , 2007, 99, 317-331.	1.9	26
44	1,3-Diene Probes for Detection of Triplet Carbonyls in Biological Systems. <i>Chemical Research in Toxicology</i> , 2007, 20, 1162-1169.	3.3	41
45	Chemical, biological and evolutionary aspects of beetle bioluminescence. <i>Arkivoc</i> , 2007, 2007, 311-323.	0.5	3
46	Kinetic studies on the peroxyoxalate chemiluminescence reaction: determination of the cyclization rate constant. <i>Luminescence</i> , 2002, 17, 313-320.	2.9	42
47	Studies on the chemiexcitation step in peroxyoxalate chemiluminescence using steroid-substituted activators. <i>Luminescence</i> , 2002, 17, 362-369.	2.9	54
48	Cysteic acid is the chemical mediator of automotive clearcoat damage promoted by dragonfly eggs. <i>Journal of Applied Polymer Science</i> , 2001, 81, 1549-1554.	2.6	1
49	Automotive clearcoat damage due to oviposition of dragonflies. <i>Journal of Applied Polymer Science</i> , 2000, 75, 1632-1639.	2.6	10
50	Mechanism of automotive clearcoat damage by dragonfly eggs investigated by surface enhanced Raman scattering. <i>Polymer Degradation and Stability</i> , 2000, 68, 61-66.	5.8	24
51	Studies on the Mechanism of the Excitation Step in Peroxyoxalate Chemiluminescence. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 4037-4046.	2.4	118
52	O sistema quimiluminescente peroxi-oxalato. <i>Quimica Nova</i> , 1999, 22, 715-723.	0.3	10
53	Quimiluminescência orgânica: alguns experimentos de demonstração para a sala de aula. <i>Quimica Nova</i> , 1998, 21, 772-779.	0.3	12
54	Kinetic studies on the chemiluminescent decomposition of an isolated intermediate in the peroxyoxalate reaction. <i>Journal of Physical Organic Chemistry</i> , 1997, 10, 593-599.	1.9	31

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55	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
56	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