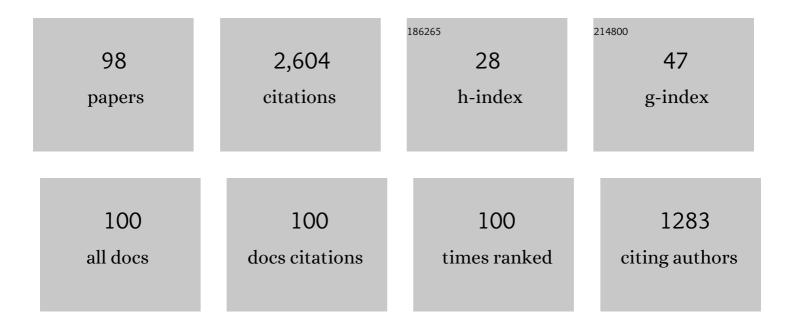
Vadim R Viviani

List of Publications by Year in descending order

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ΝΑΓΙΜ Ρ. ΜΙΛΙΑΝΙ

#	Article	IF	CITATIONS
1	Cloning and molecular properties of a novel luciferase from the Brazilian Bicellonycha lividipennis (Lampyridae: Photurinae) firefly: comparison with other firefly luciferases. Photochemical and Photobiological Sciences, 2022, , .	2.9	1
2	Bioluminescence Color-Tuning Firefly Luciferases: Engineering and Prospects for Real-Time Intracellular pH Imaging and Heavy Metal Biosensing. Biosensors, 2022, 12, 400.	4.7	9
3	Selective inhibition of Zophobas morio (Coleoptera: Tenebrionidae) luciferaseâ€like enzyme luminescence by diclofenac and potential suitability for lightâ€off biosensing. Luminescence, 2021, 36, 367-376.	2.9	1
4	Influence of the C-terminal domain on the bioluminescence activity and color determination in green and red emitting beetle luciferases and luciferase-like enzyme. Photochemical and Photobiological Sciences, 2021, 20, 113-122.	2.9	1
5	RNA-Seq analysis of the blue light-emitting Orfelia fultoni (Diptera: Keroplatidae) suggest photoecological adaptations at the molecular level. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 39, 100840.	1.0	Ο
6	A Very Bright Far-Red Bioluminescence Emitting Combination Based on Engineered Railroad Worm Luciferase and 6â€2-Amino-Analogs for Bioimaging Purposes. International Journal of Molecular Sciences, 2021, 22, 303.	4.1	10
7	Synthesis of bioluminescent gold nanoparticle–luciferase hybrid systems for technological applications. Photochemical and Photobiological Sciences, 2021, 20, 1439-1453.	2.9	6
8	A Novel Brighter Bioluminescent Fusion Protein Based on ZZ Domain and Amydetes vivianii Firefly Luciferase for Immunoassays. Frontiers in Bioengineering and Biotechnology, 2021, 9, 755045.	4.1	4
9	Luciferase isozymes from the Brazilian Aspisoma lineatum (Lampyridae) firefly: origin of efficient pH-sensitive lantern luciferases from fat body pH-insensitive ancestors. Photochemical and Photobiological Sciences, 2020, 19, 1750-1764.	2.9	11
10	Role of E270 in pH- and metal-sensitivities of firefly luciferases. Photochemical and Photobiological Sciences, 2020, 19, 1548-1558.	2.9	3
11			

#	Article	IF	CITATIONS
19	Comparison of the Malpighian tubules and fat body transcriptional profiles of Zophobas morio larvae (Coleoptera: Tenebrionidae). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 29, 95-105.	1.0	6
20	RNA-Seq analysis of the bioluminescent and non-bioluminescent species of Elateridae (Coleoptera): Comparison to others photogenic and non-photogenic tissues of Elateroidea species. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 29, 154-165.	1.0	4
21	Comparison of the thermostability of recombinant luciferases from Brazilian bioluminescent beetles: Relationship with kinetics and bioluminescence colours. Luminescence, 2018, 33, 282-288.	2.9	9
22	The proton and metal binding sites responsible for the pH-dependent green-red bioluminescence color tuning in firefly luciferases. Scientific Reports, 2018, 8, 17594.	3.3	13
23	Orfelia-type luciferin and its associated storage protein in the non-luminescent cave worm Neoditomyia sp. (Diptera: Keroplatidae) from the Atlantic rainforest: biological and evolutionary implications. Photochemical and Photobiological Sciences, 2018, 17, 1282-1288.	2.9	3
24	Revisiting Coleoptera a + T-rich region: structural conservation, phylogenetic and phylogeographic approaches in mitochondrial control region of bioluminescent Elateridae species (Coleoptera). Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2017, 28, 671-680.	0.7	6
25	Transcriptional comparison of the photogenic and non-photogenic tissues of Phrixothrix hirtus (Coleoptera: Phengodidae) and non-luminescent Chauliognathus flavipes (Coleoptera: Cantharidae) give insights on the origin of lanterns in railroad worms. Gene Reports, 2017, 7, 78-86.	0.8	16
26	Transcriptomes from the photogenic and non-photogenetic tissues and life stages of the Aspisoma lineatum firefly (Coleoptera: Lampyridae): Implications for the evolutionary origins of bioluminescence and its associated light organs. Gene Reports, 2017, 8, 150-159.	0.8	14
27	Spectroscopic Properties of Amineâ€substituted Analogues of Firefly Luciferin and Oxyluciferin. Photochemistry and Photobiology, 2017, 93, 486-494.	2.5	19
28	Use of a special Brazilian red-light emitting railroad worm Luciferase in bioassays of NEK7 protein Kinase and Creatine Kinase. BMC Biochemistry, 2017, 18, 12.	4.4	0
29	Survey of Bioluminescent Coleoptera in the Atlantic Rain Forest of Serra da Paranapiacaba in São Paulo State (Brazil). Biota Neotropica, 2016, 16, .	1.0	6
30	Glu311 and Arg337 Stabilize a Closed Active-site Conformation and Provide a Critical Catalytic Base and Countercation for Green Bioluminescence in Beetle Luciferases. Biochemistry, 2016, 55, 4764-4776.	2.5	26
31	The dark and bright sides of an enzyme: a three dimensional structure of the N-terminal domain of Zophobas morio luciferase-like enzyme, inferences on the biological function and origin of oxygenase/luciferase activity. Photochemical and Photobiological Sciences, 2016, 15, 654-665.	2.9	4
32	Organization and comparative analysis of the mitochondrial genomes of bioluminescent Elateroidea (Coleoptera: Polyphaga). Gene, 2016, 586, 254-262.	2.2	37
33	A new orange emitting luciferase from the Southern-Amazon Pyrophorus angustus (Coleoptera:) Tj ETQq1 1 0.7 ecological considerations. Photochemical and Photobiological Sciences, 2016, 15, 1148-1154.	84314 rgB7 2.9	Г /Overlock 12
34	Preparation and Assay of Simple Light off Biosensor Based on Immobilized Bioluminescent Bacteria for General Toxicity Assays. Methods in Molecular Biology, 2016, 1461, 217-223.	0.9	0
35	Engineering the metal sensitive sites in Macrolampis sp2 firefly luciferase and use as a novel bioluminescent ratiometric biosensor for heavy metals. Analytical and Bioanalytical Chemistry, 2016, 408, 8881-8893.	3.7	8
36	First Report of <i>Pyrearinus</i> Larvae (Coleoptera: Elateridae) in Clayish Canga Caves and Luminous Termite Mounds in the Amazon Forest With a Preliminary Molecular-Based Phylogenetic Analysis of the <i>P. pumilus</i> Group. Annals of the Entomological Society of America, 2016, 109, 534-541.	2.5	4

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37	Aula prática de FotossÃntese: Demonstração da reação de Hill em cloroplastos com dissipação de energia por fluorescência mediante desacoplamento ou inibição dos fotossistemas pelo herbicida Diuron. Journal of Biochemistry Education, 2016, 14, 73.	0.0	0
38	First transcriptional survey of the Malpighian tubules of giant mealworm, Zophobas morio (Coleoptera: Tenebrionidae). Genetics and Molecular Research, 2015, 14, 464-473.	0.2	5
39	A transcriptional and proteomic survey of <i>Arachnocampa luminosa</i> (Diptera: Keroplatidae) lanterns gives insights into the origin of bioluminescence from the Malpighian tubules in Diptera. Luminescence, 2015, 30, 996-1003.	2.9	30
40	Circadian Control Sheds Light on Fungal Bioluminescence. Current Biology, 2015, 25, 964-968.	3.9	65
41	Artificial Night Lighting Reduces Firefly (Coleoptera: Lampyridae) Occurrence in Sorocaba, Brazil. Advances in Entomology (Irvine, Calif), 2015, 03, 24-32.	0.4	33
42	Living Light in the Darkness: Facts and Stories. Revista Virtual De Quimica, 2015, 7, .	0.4	0
43	Nanobiosensors Exploiting Specific Interactions Between an Enzyme and Herbicides in Atomic Force Spectroscopy. Journal of Nanoscience and Nanotechnology, 2014, 14, 6678-6684.	0.9	16
44	Suitability of Macrolampis firefly and Pyrearinus click beetle luciferases for bacterial light off toxicity biosensor. Analytical Biochemistry, 2014, 445, 73-79.	2.4	7
45	Molecular phylogeny of Neotropical bioluminescent beetles (Coleoptera: Elateroidea) in southern and central Brazil. Luminescence, 2014, 29, 412-422.	2.9	15
46	Novel application of pH-sensitive firefly luciferases as dual reporter genes for simultaneous ratiometric analysis of intracellular pH and gene expression/location. Photochemical and Photobiological Sciences, 2014, 13, 1661-1670.	2.9	24
47	Bioluminescence of Beetle Luciferases with 6′-Amino-d-luciferin Analogues Reveals Excited Keto-oxyluciferin as the Emitter and Phenolate/Luciferin Binding Site Interactions Modulate Bioluminescence Colors. Biochemistry, 2014, 53, 5208-5220.	2.5	32
48	The Luciferin Binding Site Residues C/T311 (S314) Influence the Bioluminescence Color of Beetle Luciferases through Main-Chain Interaction with Oxyluciferin Phenolate. Biochemistry, 2013, 52, 19-27.	2.5	24
49	A transcriptional survey of the cDNA library of Macrolampis sp2 firefly lanterns (Coleoptera:) Tj ETQq1 1 0.7843	14 rgBT /C 1:0	Dverjock 10 T
50	Nanobiosensors Based on Chemically Modified AFM Probes: A Useful Tool for Metsulfuron-Methyl Detection. Sensors, 2013, 13, 1477-1489.	3.8	47
51	A Route from Darkness to Light: Emergence and Evolution of Luciferase Activity in AMP-CoA-Ligases Inferred from a Mealworm Luciferase-like Enzyme. Biochemistry, 2013, 52, 3963-3973.	2.5	12
52	Bioluminescent Coleoptera of Biological Station of Boracéia (Salesópolis, SP, Brazil): diversity, bioluminescence and habitat distribution. Biota Neotropica, 2012, 12, 21-34.	1.0	8
53	Luciferase from Fulgeochlizus bruchi (Coleoptera:Elateridae), a Brazilian click-beetle with a single abdominal lantern: molecular evolution, biological function and comparison with other click-beetle luciferases. Photochemical and Photobiological Sciences, 2012, 11, 1259.	2.9	23
54	Spectroscopic studies of the color modulation mechanism of firefly (beetle) bioluminescence with amino-analogs of luciferin and oxyluciferin. Photochemical and Photobiological Sciences, 2012, 11, 1281-1284.	2.9	22

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55	Aspisoma lineatum (Gyllenhal) (Coleoptera: Lampyridae) Firefly: Description of the Immatures, Biological, and Ecological Aspects. Neotropical Entomology, 2012, 41, 89-94.	1.2	13
56	Structural evolution of luciferase activity in Zophobas mealworm AMP/CoA-ligase (protoluciferase) through site-directed mutagenesis of the luciferin binding site. Photochemical and Photobiological Sciences, 2011, 10, 1226-1232.	2.9	7
57	Bioluminescent Fat Body of Larval <i>Aspisoma lineatum</i> (Coleoptera: Lampyridae) Firefly: Ontogenic Precursor of Lantern's Photogenic Tissue. Annals of the Entomological Society of America, 2011, 104, 761-767.	2.5	15
58	A new blue-shifted luciferase from the Brazilian Amydetes fanestratus (Coleoptera: Lampyridae) firefly: molecular evolution and structural/functional properties. Photochemical and Photobiological Sciences, 2011, 10, 1879-1886.	2.9	47
59	Enhanced redâ€emitting railroad worm luciferase for bioassays and bioimaging. Protein Science, 2010, 19, 26-33.	7.6	32
60	The origin of luciferase activity in Zophobas mealworm AMP/CoA-ligase (protoluciferase): luciferin stereoselectivity as a switch for the oxygenase activity. Photochemical and Photobiological Sciences, 2010, 9, 1111-1119.	2.9	9
61	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
62	Quantum Yields and Kinetics of the Firefly Bioluminescence Reaction of Beetle Luciferases. Photochemistry and Photobiology, 2010, 86, 1046-1049.	2.5	83
63	Enhanced Beetle Luciferase for High-Resolution Bioluminescence Imaging. PLoS ONE, 2010, 5, e10011.	2.5	100
64	Fauna de besouros bioluminescentes (Coleoptera: Elateroidea: Lampyridae; Phengodidae, Elateridae) nos municÃpios de Campinas, Sorocaba-Votorantim e Rio Claro-Limeira (SP, Brasil): biodiversidade e influência da urbanização. Biota Neotropica, 2010, 10, 103-116.	1.0	28
65	Molecular insights on the evolution of the lateral and head lantern luciferases and bioluminescence colors in Mastinocerini railroad-worms (Coleoptera: Phengodidae). Photochemical and Photobiological Sciences, 2010, 9, 87-92.	2.9	26
66	Pyrearinus termitilluminans larval click beetle luciferase: active site properties, structure and function relationships and comparison with other beetle luciferases. Photochemical and Photobiological Sciences, 2009, 8, 1748-1754.	2.9	27
67	An ancestral luciferase in the Malpighi tubules of a non-bioluminescent beetle!. Photochemical and Photobiological Sciences, 2009, 8, 57-61.	2.9	24
68	CCD imaging of basal bioluminescence in larval fireflies: clues on the anatomic origin and evolution of bioluminescence. Photochemical and Photobiological Sciences, 2008, 7, 448-452.	2.9	18
69	Introduction to the themed issue on bioluminescence. Photochemical and Photobiological Sciences, 2008, 7, 145.	2.9	1
70	The structural origin and biological function of pH-sensitivity in firefly luciferases. Photochemical and Photobiological Sciences, 2008, 7, 159-169.	2.9	88
71	Mitochondrial genome sequence of the Brazilian luminescent click beetle Pyrophorus divergens (Coleoptera: Elateridae): Mitochondrial genes utility to investigate the evolutionary history of Coleoptera and its bioluminescence. Gene, 2007, 405, 1-9.	2.2	45
72	Few substitutions affect the bioluminescence spectra ofPhrixotrix (Coleoptera: Phengodidae) luciferases: a site-directed mutagenesis survey. Luminescence, 2007, 22, 362-369.	2.9	26

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73	The Influence of the Loop between Residues 223-235 in Beetle Luciferase Bioluminescence Spectra: A Solvent Gate for the Active Site of pH-Sensitive Luciferases. Photochemistry and Photobiology, 2007, 84, 071018085748004-???.	2.5	24
74	Bioluminescence Color Determinants of Phrixothrix Railroad-worm Luciferases: Chimeric Luciferases, Site-directed Mutagenesis of Arg 215 and Guanidine effect¶. Photochemistry and Photobiology, 2007, 72, 267-271.	2.5	2
75	Two Bioluminescent Diptera: The North American Orfelia fultoni and the Australian Arachnocampa flava. Similar Niche, Different Bioluminescence Systems¶. Photochemistry and Photobiology, 2007, 75, 22-27.	2.5	4
76	The Influence of Ala243 (Gly247), Arg215 and Thr226 (Asn230) on the Bioluminescence Spectra and pH-Sensitivity of Railroad Worm, Click Beetle and Firefly Luciferases¶. Photochemistry and Photobiology, 2007, 76, 538-544.	2.5	3
77	Chemical, biological and evolutionary aspects of beetle bioluminescence. Arkivoc, 2007, 2007, 311-323.	0.5	3
78	Beetle Luciferases: Colorful Lights on Biological Processes and Diseases. , 2006, , 49-63.		20
79	Bovine serum albumin displays luciferase-like activity in presence of luciferyl adenylate: insights on the origin of protoluciferase activity and bioluminescence colours. Luminescence, 2006, 21, 262-267.	2.9	34
80	Active-Site Properties of Phrixotrix Railroad Worm Green and Red Bioluminescence-Eliciting Luciferases. Journal of Biochemistry, 2006, 140, 467-474.	1.7	41
81	A New Firefly Luciferase with Bimodal Spectrum: Identification of Structural Determinants of Spectral pH-Sensitivity in Firefly Luciferases¶. Photochemistry and Photobiology, 2005, 81, 843.	2.5	52
82	The influence of the region between residues 220 and 344 and beyond in Phrixotrix railroad worm luciferases green and red bioluminescence. Protein Engineering, Design and Selection, 2004, 17, 113-117.	2.1	22
83	Cloning and characterization of the cDNA for the Brazilian Cratomorphus distinctus larval firefly luciferase: similarities with European Lampyris noctiluca and Asiatic Pyrocoelia luciferases. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2004, 139, 151-156.	1.6	54
84	Two Bioluminescent Diptera: The North American Orfelia fultoni and the Australian Arachnocampa flava. Similar Niche, Different Bioluminescence Systems¶. Photochemistry and Photobiology, 2002, 75, 22.	2.5	47
85	The Influence of Ala243 (Gly247), Arg215 and Thr226 (Asn230) on the Bioluminescence Spectra and pH-Sensitivity of Railroad Worm, Click Beetle and Firefly Luciferases¶. Photochemistry and Photobiology, 2002, 76, 538.	2.5	48
86	The origin, diversity, and structure function relationships of insect luciferases. Cellular and Molecular Life Sciences, 2002, 59, 1833-1850.	5.4	262
87	THE STRUCTURAL DETERMINANTS OF BIOLUMINESCENCE COLORS IN RAILROAD WORM AND OTHER pH-INSENSITIVE LUCIFERASES. , 2002, , .		1
88	Fireflies (Coleoptera: Lampyridae) from Southeastern Brazil: Habitats, Life History, and Bioluminescence. Annals of the Entomological Society of America, 2001, 94, 129-145.	2.5	46
89	Thr226 Is a Key Residue for Bioluminescence Spectra Determination in Beetle Luciferases. Biochemical and Biophysical Research Communications, 2001, 280, 1286-1291.	2.1	60
90	Spectral correspondence between visual spectral sensitivity and bioluminescence emission spectra in the click beetle Pyrophorus punctatissimus (Coleoptera: Elateridae). Journal of Insect Physiology, 2000, 46, 1137-1141.	2.0	22

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91	Bioluminescence Color Determinants of Phrixothrix Railroad-worm Luciferases: Chimeric Luciferases, Site-directed Mutagenesis of Arg 215 and Guanidine effect¶. Photochemistry and Photobiology, 2000, 72, 267.	2.5	44
92	Cloning and Molecular Characterization of the cDNA for the Brazilian Larval Click-beetle Pyrearinus termitilluminans Luciferase. Photochemistry and Photobiology, 1999, 70, 254-260.	2.5	107
93	Cloning, Sequence Analysis, and Expression of ActivePhrixothrixRailroad-Worms Luciferases:Â Relationship between Bioluminescence Spectra and Primary Structuresâ€,‡. Biochemistry, 1999, 38, 8271-8279.	2.5	163
94	Cloning and Molecular Characterization of the cDNA for the Brazilian Larval Click-beetle Pyrearinus termitilluminans Luciferase. Photochemistry and Photobiology, 1999, 70, 254.	2.5	32
95	Bioluminescence and Biological Aspects of Brazilian Railroad-Worms (Coleoptera: Phengodidae). Annals of the Entomological Society of America, 1997, 90, 389-398.	2.5	67
96	Larval Tenebrio molitor (Coleoptera: Tenebrionidae) Fat Body Extracts Catalyze Firefly D-Luciferin- and ATP-Dependent Chemiluminescence: A Luciferase-like Enzyme. Photochemistry and Photobiology, 1996, 63, 713-718.	2.5	26
97	BIOLUMINESCENCE OF BRAZILIAN FIREFLIES (COLEOPTERA: LAMPYRIDAE): SPECTRAL DISTRIBUTION and pH EFFECT ON LUCIFERASEâ€ELICITED COLORS. COMPARISON WITH ELATERID and PHENGODID LUCIFERASES. Photochemistry and Photobiology, 1995, 62, 490-495.	2.5	76
98	BIOPHYSICAL AND BIOCHEMICAL ASPECTS OF PHENGODID (RAILROADâ€₩ORM) BIOLUMINESCENCE. Photochemistry and Photobiology, 1993, 58, 615-622.	2.5	40