

Paolo Gualtieri

List of Publications by Year in descending order

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77
papers

1,869
citations

304743

22
h-index

302126

39
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77
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docs citations

77
times ranked

1829
citing authors

#	ARTICLE	IF	CITATIONS
1	Remediation of dairy wastewater by <i>Euglena gracilis</i> WZSL mutant and Î²-glucan production. <i>Journal of Applied Phycology</i> , 2021, 33, 431-441.	2.8	3
2	Water monitoring by means of digital microscopy identification and classification of microalgae. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1443-1457.	3.5	16
3	Unveiling the Secrets of Escherâ€™s Lithographs. <i>Journal of Imaging</i> , 2020, 6, 5.	3.0	2
4	Anatomy of <i>Euglena gracilis</i> . , 2020, , 61-70.		4
5	Paramylon Treatment Improves Quality Profile and Drought Resistance in <i>Solanum lycopersicum</i> L. cv. Micro-Tom. <i>Agronomy</i> , 2019, 9, 394.	3.0	16
6	Paramylon, a Potent Immunomodulator from WZSL Mutant of <i>Euglena gracilis</i> .. <i>Molecules</i> , 2019, 24, 3114.	3.8	41
7	Flagellated microswimmers: Hydrodynamics in thin liquid films. <i>European Physical Journal E</i> , 2018, 41, 28.	1.6	7
8	Is exploitation of microalgae economically and energetically sustainable?. <i>Algal Research</i> , 2018, 31, 107-115.	4.6	166
9	Anti-fibrotic effect of paramylon nanofibers from the WZSL mutant of <i>Euglena gracilis</i> on liver damage induced by CCl 4 in mice. <i>Journal of Functional Foods</i> , 2018, 46, 538-545.	3.4	15
10	Algae through the looking glass. <i>Microscopy Research and Technique</i> , 2017, 80, 486-494.	2.2	2
11	The role of <i>Euglena gracilis</i> paramylon in modulating xylem hormone levels, photosynthesis and water-use efficiency in <i>Solanum lycopersicum</i> L. <i>Physiologia Plantarum</i> , 2017, 161, 486-501.	5.2	28
12	<i>Euglena gracilis</i> paramylon activates human lymphocytes by upregulating pro-inflammatory factors. <i>Food Science and Nutrition</i> , 2017, 5, 205-214.	3.4	62
13	Swimming patterns of the quadriflagellate <i>Tetraflagellochloris mauritanica</i> (Chlamydomonadales, Chlorophyceae). <i>Journal of Phycology</i> , 2016, 52, 209-218.	2.3	6
14	Reconstruction of the absorption spectrum of an object spot from the colour values of the corresponding pixel(s) in its digital image: the challenge of algal colours. <i>Journal of Microscopy</i> , 2016, 264, 311-320.	1.8	5
15	Water monitoring: automated and real time identification and classification of algae using digital microscopy. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2656-2665.	3.5	42
16	A second rhodopsin-like protein in <i>Cyanophora paradoxa</i> : Gene sequence and protein expression in a cell-free system. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 125, 188-193.	3.8	3
17	Automatic and real time recognition of microalgae by means of pigment signature and shape. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1397.	3.5	18
18	<i>Tetraflagellochloris mauritanica</i> gen. et sp. nov. (Chlorophyceae), a New Flagellated Alga from the Mauritanian Desert: Morphology, Ultrastructure, and Phylogenetic Framing. <i>Journal of Phycology</i> , 2013, 49, 178-193.	2.3	9

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19	Fundamental questions and concepts about photoreception and the case of <i>Euglena gracilis</i> . Integrative Biology (United Kingdom), 2012, 4, 22-36.	1.3	18
20	Chemistry, physico-chemistry and applications linked to biological activities of β -glucans. Natural Product Reports, 2011, 28, 457.	10.3	207
21	A rhodopsin-like protein in <i>Cyanophora paradoxa</i> : gene sequence and protein immunolocalization. Cellular and Molecular Life Sciences, 2010, 67, 965-971.	5.4	19
22	<i>In Vivo</i> Absorption Spectra of the Two Stable States of the <i>Euglena</i> Photoreceptor Photocycle. Photochemistry and Photobiology, 2009, 85, 304-312.	2.5	10
23	MICROSPECTROPHOTOMETRY AS A METHOD TO IDENTIFY KLEPTOPLASTIDS IN THE NAKED FRESHWATER DINOFLAGELLATE <i>GYMNODINIUM ACIDOTUM</i> . Journal of Phycology, 2009, 45, 1304-1309.	2.3	4
24	Intramolecular photo-switching and intermolecular energy transfer as primary photoevents in photoreceptive processes: The case of <i>Euglena gracilis</i> . Biochemical and Biophysical Research Communications, 2009, 385, 176-180.	2.1	7
25	Low-resolution characterization of the 3D structure of the <i>Euglena gracilis</i> photoreceptor. Biochemical and Biophysical Research Communications, 2008, 375, 471-476.	2.1	7
26	In vivo microspectroscopy monitoring of chromium effects on the photosynthetic and photoreceptive apparatus of <i>Eudorina unicocca</i> and <i>Chlorella kessleri</i> . Journal of Environmental Monitoring, 2008, 10, 1313.	2.1	35
27	An automatic real-time system for the determination of translational and rotational speeds of swimming micro-organisms. International Journal of Signal and Imaging Systems Engineering, 2008, 1, 25.	0.6	3
28	Effects of chromium on photosynthetic and photoreceptive apparatus of the alga <i>Chlamydomonas reinhardtii</i> . Environmental Research, 2007, 105, 234-239.	7.5	81
29	A polychromator-based microspectrophotometer. International Journal of Biological Sciences, 2007, 3, 251-256.	6.4	10
30	Absorption microspectroscopy, theory and applications in the case of the photosynthetic compartment. Micron, 2007, 38, 197-213.	2.2	22
31	Microspectroscopy of the Photosynthetic Compartment of Algae. Photochemistry and Photobiology, 2006, 82, 1039.	2.5	16
32	Stress resistance induced by paramylon treatment in <i>Artemia</i> sp.. Journal of Applied Phycology, 2004, 16, 61-67.	2.8	25
33	A short flagella mutant of <i>Dunaliella salina</i> (Chlorophyta, Chlorophyceae). Micron, 2004, 35, 337-344.	2.2	13
34	Diet-induced variations in fatty acid content and composition of two on-grown stages of <i>Artemia salina</i> . Journal of Applied Phycology, 2003, 15, 477-483.	2.8	11
35	Natural vitamin E enrichment of <i>Artemia salina</i> fed freshwater and marine microalgae. Journal of Applied Phycology, 2003, 15, 75-80.	2.8	47
36	<i>Euglena gracilis</i> photoreception interpreted by microspectroscopy. European Journal of Protistology, 2003, 39, 404-409.	1.5	4

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37	Fluorescence Behavior of Euglena Photoreceptor. Photochemistry and Photobiology, 2003, 78, 93.	2.5	10
38	Photoreception in Microalgae. , 2003, , .		0
39	Flagellar Movements and Controlling Apparatus in Flagellates. Critical Reviews in Plant Sciences, 2001, 20, 297-308.	5.7	4
40	Title is missing!. Journal of Applied Phycology, 2001, 13, 59-65.	2.8	122
41	The photoreceptor protein of Euglena gracilis. FEBS Letters, 2000, 482, 247-251.	2.8	30
42	Retinal Identification in <i>Pelvetia fastigiata</i> . Biochemical and Biophysical Research Communications, 1998, 243, 776-778.	2.1	34
43	Rhodopsin: A Photopigment for Phototaxis in <i>Euglena gracilis</i> . Critical Reviews in Plant Sciences, 1998, 17, 559-574.	5.7	17
44	Rhodopsin: A Photopigment for Phototaxis in <i>Euglena gracilis</i> . Critical Reviews in Plant Sciences, 1998, 17, 559-574.	5.7	4
45	In Vivo Photocycle of the <i>Euglena gracilis</i> Photoreceptor. Biophysical Journal, 1997, 72, 545-553.	0.5	37
46	Feeding behaviour in ciliated protists. Micron, 1997, 28, 487-504.	2.2	56
47	Digestive process of the raptorial feeder ciliate <i>Litonotus lamella</i> (Rabdophora, Litostomatea) visualized by fluorescence microscopy. Micron, 1997, 28, 447-451.	2.2	7
48	Ultrastructure of a novel non-photosynthetic <i>Euglena</i> mutant. Micron, 1996, 27, 367-373.	2.2	19
49	Edge-preserving restoration in 2-D fluorescence microscopy. Micron, 1996, 27, 431-447.	2.2	2
50	Isolation of the Flagellar Swelling and Identification of Retinal in the Phototactic Flagellate, <i>Ochromonas danica</i> (Chrysophyceae). Journal of Eukaryotic Microbiology, 1995, 42, 7-11.	1.7	15
51	Edge-preserving restoration of low-light-level microscope images. Micron, 1995, 26, 195-199.	2.2	2
52	Photoreceptor morphology and visual pigment content in the pineal organ and in the retina of juvenile and adult trout, <i>Salmo irideus</i> . Micron, 1993, 24, 279-286.	2.2	24
53	A biological point of view on photoreception (no-imaging vision) in algae. Journal of Photochemistry and Photobiology B: Biology, 1993, 18, 95-97.	3.8	11
54	New trends in photobiology. Journal of Photochemistry and Photobiology B: Biology, 1993, 19, 3-14.	3.8	24

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55	Effects of hydroxylamine, digitonin and triton X-100 on photoreceptor (Paraflagellar swelling) and Photoreception of <i>Euglena gracilis</i> . <i>Vision Research</i> , 1993, 33, 2043-2050.	1.4	19
56	Identification of a rhodopsin photoreceptor in <i>Euglena gracilis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1992, 1117, 55-59.	2.4	52
57	Molecular biology in living cells by means of digital optical microscopy. <i>Micron and Microscopica Acta</i> , 1992, 23, 239-257.	0.2	18
58	Elimination of photoreceptor (paraflagellar swelling) and photoreception in <i>Euglena gracilis</i> by means of the carotenoid biosynthesis inhibitor nicotine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1992, 13, 135-144.	3.8	22
59	The formation of giants in <i>Oxytricha bifaria</i> : A peculiar multi-step cell differentiation. <i>European Journal of Protistology</i> , 1991, 27, 264-268.	1.5	8
60	Ultrastructure of the apical zone of <i>Euglena gracilis</i> : Photoreceptors and motor apparatus. <i>Electron Microscopy Reviews</i> , 1991, 4, 319-342.	1.3	42
61	An image-processing system, motion analysis oriented (IPS-100), applied to microscopy. <i>Computer Methods and Programs in Biomedicine</i> , 1991, 36, 15-25.	4.7	7
62	Microspectroscopy of photoreceptor pigments in flagellated algae. <i>Critical Reviews in Plant Sciences</i> , 1991, 9, 475-495.	5.7	23
63	A procedure for the extraction of object features in microscope images. <i>International Journal of Bio-medical Computing</i> , 1990, 25, 169-176.	0.5	12
64	An algorithm comparing the two mononuclear curves of choice reaction times in pigeons. <i>Journal of Neuroscience Methods</i> , 1990, 32, 87-92.	2.5	0
65	A digital microscope for real time detection of moving microorganisms. <i>Micron and Microscopica Acta</i> , 1989, 20, 99-105.	0.2	12
66	A simple instrument to perform "in vivo" absorption spectra of pigmented cellular organelles. <i>Micron and Microscopica Acta</i> , 1989, 20, 107-110.	0.2	13
67	In vivo microspectrophotometric investigation of <i>Blepharisma japonicum</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1989, 3, 379-383.	3.8	12
68	Absorption spectrum of a single isolated paraflagellar swelling of <i>Euglena gracilis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1989, 993, 293-296.	2.4	51
69	Dialysis culture of <i>Euglena gracilis</i> . <i>Journal of Microbiological Methods</i> , 1989, 10, 47-51.	1.6	3
70	Microorganism track reconstruction: An image processing approach. <i>Computers in Biology and Medicine</i> , 1988, 18, 57-63.	7.0	17
71	Tryptophan phosphorescence and the conformation of liver alcohol dehydrogenase in solution and in the crystalline state. <i>Biophysical Chemistry</i> , 1988, 30, 61-67.	2.8	14
72	Application of video and image processing to the light microscope. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1988, 1, 495-496.	3.8	0

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73	Harvesting <i>Euglena gracilis</i> cells with a nontoxic flocculant. <i>Journal of Microbiological Methods</i> , 1988, 8, 327-332.	1.6	17
74	Identification of cellular and subcellular features by means of digital microscopy. <i>International Journal of Bio-medical Computing</i> , 1987, 20, 79-86.	0.5	7
75	Measurement of spatial variation of responsiveness in solid-state imager. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1986, IM-35, 646-648.	4.7	2
76	Kinetics of the reaction of intraerythrocytic haemoglobin by single cell microspectroscopy: effect of shape and osmolarity. <i>FEBS Letters</i> , 1985, 190, 217-220.	2.8	8
77	Algae. , 0, , .		108