Mark Wainwright

List of Publications by Year
in descending order

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89 papers	3,706 citations	126907 33 h-index	138484 58 g-index
104 all docs	104 docs citations	104 times ranked	3994 citing authors

#	Article	IF	Citations
1	Photoantimicrobialsâ€"are we afraid of the light?. Lancet Infectious Diseases, The, 2017, 17, e49-e55.	9.1	498
2	Increased cytotoxicity and phototoxicity in the methylene blue series via chromophore methylation. Journal of Photochemistry and Photobiology B: Biology, 1997, 40, 233-239.	3.8	157
3	Photosensitising agentsâ€"circumventing resistance and breaking down biofilms: a review. International Biodeterioration and Biodegradation, 2004, 53, 119-126.	3.9	156
4	Methylene blue derivatives â€" suitable photoantimicrobials for blood product disinfection?. International Journal of Antimicrobial Agents, 2000, 16, 381-394.	2.5	135
5	Photosensitized Membrane Permeabilization Requires Contact-Dependent Reactions between Photosensitizer and Lipids. Journal of the American Chemical Society, 2018, 140, 9606-9615.	13.7	133
6	Phenothiazinium photosensitisers: choices in synthesis and application. Dyes and Pigments, 2003, 57, 245-257.	3.7	126
7	Phenothiazinium derivatives for pathogen inactivation in blood products. Journal of Photochemistry and Photobiology B: Biology, 2007, 86, 45-58.	3.8	114
8	Dyes in the development of drugs and pharmaceuticals. Dyes and Pigments, 2008, 76, 582-589.	3.7	109
9	Photodynamic Therapy: The Development of New Photosensitisers. Anti-Cancer Agents in Medicinal Chemistry, 2008, 8, 280-291.	1.7	109
10	The development of phenothiazinium photosensitisers. Photodiagnosis and Photodynamic Therapy, 2005, 2, 263-272.	2.6	104
11	Local treatment of viral disease using photodynamic therapy. International Journal of Antimicrobial Agents, 2003, 21, 510-520.	2.5	95
12	Review: The phenothiazinium chromophore and the evolution of antimalarial drugs. Tropical Medicine and International Health, 2005, 10, 501-511.	2.3	90
13	Membrane Damage Efficiency of Phenothiazinium Photosensitizers. Photochemistry and Photobiology, 2014, 90, 801-813.	2.5	74
14	Global priority multidrug-resistant pathogens do not resist photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2020, 208, 111893.	3.8	73
15	Phenothiazinium-based photobactericidal materials. Journal of Photochemistry and Photobiology B: Biology, 2006, 84, 227-230.	3.8	71
16	Apoptosis induction by different pathways with methylene blue derivative and light from mitochondrial sites in V79 cells. , 1998, 75, 941-948.		69
17	Pathogen Inactivation in Blood Products. Current Medicinal Chemistry, 2002, 9, 127-143.	2.4	68
18	Light-based technologies for management of COVID-19 pandemic crisis. Journal of Photochemistry and Photobiology B: Biology, 2020, 212, 111999.	3.8	61

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19	In vitro photodynamic inactivation of Candida species and mouse fibroblasts with phenothiazinium photosensitisers and red light. Photodiagnosis and Photodynamic Therapy, 2013, 10, 141-149.	2.6	60
20	<i>In Vitro</i> Photodynamic Inactivation of Plant-Pathogenic Fungi Colletotrichum acutatum and Colletotrichum gloeosporioides with Novel Phenothiazinium Photosensitizers. Applied and Environmental Microbiology, 2014, 80, 1623-1632.	3.1	54
21	The emerging chemistry of blood product disinfection. Chemical Society Reviews, 2002, 31, 128-136.	38.1	53
22	Susceptibilities of the dermatophytes Trichophyton mentagrophytes and T. rubrum microconidia to photodynamic antimicrobial chemotherapy with novel phenothiazinium photosensitizers and red light. Journal of Photochemistry and Photobiology B: Biology, 2012, 116, 89-94.	3.8	52
23	Furocoumarins and coumarins photoinactivate Colletotrichum acutatum and Aspergillus nidulans fungi under solar radiation. Journal of Photochemistry and Photobiology B: Biology, 2014, 131, 74-83.	3.8	48
24	On the 75th anniversary of Prontosil. Dyes and Pigments, 2011, 88, 231-234.	3.7	45
25	Rational design of phenothiazinium derivatives and photoantimicrobial drug discovery. Dyes and Pigments, 2017, 136, 590-600.	3.7	44
26	Therapeutic applications of nearâ€infrared dyes. Coloration Technology, 2010, 126, 115-126.	1.5	43
27	â€˜Safeâ€™ photoantimicrobials for skin and soft-tissue infections. International Journal of Antimicrobial Agents, 2010, 36, 14-18.	2.5	42
28	Photoantimicrobialsâ€”So what's stopping us?. Photodiagnosis and Photodynamic Therapy, 2009, 6, 167-169.	2.6	39
29	Phenothiazine photosensitizers: part 2. 3,7-Bis(arylamino)phenothiazines1See Ref.[1].1. Dyes and Pigments, 1999, 42, 45-51.	3.7	38
30	Inactivation kinetics and lethal dose analysis of antimicrobial blue light and photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2019, 28, 186-191.	2.6	36
31	Phenothiazinium photosensitisers, Part VI: Photobactericidal asymmetric derivatives. Dyes and Pigments, 2009, 82, 387-391.	3.7	35
32	Photodynamic medicine and infection control. Journal of Antimicrobial Chemotherapy, 2012, 67, 787-788.	3.0	34
33	Inactivation of plant-pathogenic fungus Colletotrichum acutatum with natural plant-produced photosensitizers under solar radiation. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 402-411.	3.8	34
34	Photodynamic inactivation of conidia of the fungus Colletotrichum abscissum on Citrus sinensis plants with methylene blue under solar radiation. Journal of Photochemistry and Photobiology B: Biology, 2017, 176, 54-61.	3.8	34
35	Phenothiazinium photosensitisers: V. Photobactericidal activities of chromophore-methylated phenothiazinium salts. Dyes and Pigments, 2007, 73, 7-12.	3.7	32
36	Small scale trial of photodynamic treatment of onychomycosis in SÃ£o Paulo. Journal of Photochemistry and Photobiology B: Biology, 2015, 150, 66-68.	3.8	32

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37	Photodynamic treatment with phenothiazinium photosensitizers kills both ungerminated and germinated microconidia of the pathogenic fungi Fusarium oxysporum, Fusarium moniliforme and Fusarium solani. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 1-12.	3.8	30
38	Synthesis, characterization and biological evaluation of a new photoactive hydrogel against Gram-positive and Gram-negative bacteria. Journal of Materials Chemistry B, 2016, 4, 1499-1509.	5.8	29
39	Parameters for antimicrobial photodynamic therapy on periodontal pocketâ€"Randomized clinical trial. Photodiagnosis and Photodynamic Therapy, 2019, 27, 132-136.	2.6	28
40	In defence of â€˜dye therapyâ€™. International Journal of Antimicrobial Agents, 2014, 44, 26-29.	2.5	27
41	The effects of photodynamic treatment with new methylene blue N on the Candida albicans proteome. Photochemical and Photobiological Sciences, 2016, 15, 1503-1513.	2.9	27
42	Phenothiazinium photoantimicrobials with basic side chains. Journal of Photochemistry and Photobiology B: Biology, 2015, 150, 38-43.	3.8	26
43	Biodistribution of a methylene blue derivative in tumor and normal tissues of rats. Journal of Photochemistry and Photobiology B: Biology, 1993, 20, 63-71.	3.8	24
44	Phenothiazinium photosensitisers IX. Tetra- and pentacyclic derivatives as photoantimicrobial agents. Dyes and Pigments, 2011, 91, 1-5.	3.7	24
45	Antimicrobial photodynamic therapy with phenothiazinium photosensitizers in non-vertebrate model Galleria mellonella infected with Fusarium keratoplasticum and Fusarium moniliforme. Photodiagnosis and Photodynamic Therapy, 2019, 25, 197-203.	2.6	23
46	Phenothiazinium photosensitisers XI. Improved toluidine blue photoantimicrobials. Journal of Photochemistry and Photobiology B: Biology, 2016, 160, 68-71.	3.8	22
47	Antimicrobial photodynamic therapy compared to systemic antibiotic therapy in non-surgical treatment of periodontitis: Systematic review and meta-analysis. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101808.	2.6	22
48	InÂvitro susceptibilities of Neoscytalidium spp. sequence types to antifungal agents and antimicrobial photodynamic treatment with phenothiazinium photosensitizers. Fungal Biology, 2018, 122, 436-448.	2.5	21
49	Photodynamic therapy â€" from dyestuffs to highâ€"tech clinical practice. Review of Progress in Coloration and Related Topics, 2004, 34, 95-109.	0.2	20
50	The application of photosensitisers to tropical pathogens in the blood supply. Photodiagnosis and Photodynamic Therapy, 2011, 8, 240-248.	2.6	20
51	The use of photosensitisers in acne treatment. Journal of Photochemistry and Photobiology B: Biology, 2011, 105, 1-5.	3.8	20
52	LASER in periodontal treatment: is it an effective treatment or science fiction?. Brazilian Oral Research, 2021, 35, e099.	1.4	20
53	Comparative Photodynamic Evaluation of New Phenothiazinium Derivatives against <i>Propionibacterium acnes</i>^{â€}. Photochemistry and Photobiology, 2012, 88, 523-526.	2.5	19
54	Photoantimicrobials and PACT: what's in an abbreviation?. Photochemical and Photobiological Sciences, 2019, 18, 12-14.	2.9	18

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55	The Use of New Methylene Blue inPseudomonas aeruginosaBiofilm Destruction. Biofouling, 2002, 18, 247-249.	2.2	17
56	Multiple aPDT sessions on periodontitis in rats treated with chemotherapy: histomorphometrical, immunohistochemical, immunological and microbiological analyses. Photodiagnosis and Photodynamic Therapy, 2019, 25, 92-102.	2.6	16
57	Uptake and cell-killing activities of a series of Victoria blue derivatives in a mouse mammary tumour cell line. Cytotechnology, 1999, 29, 35-43.	1.6	14
58	Phenothiaziniumâ€"fluoroquinolone drug conjugates. International Journal of Antimicrobial Agents, 2010, 35, 405-409.	2.5	14
59	Antimicrobial photodynamic therapy mediated by methylene blue in surfactant vehicle on periodontopathogens. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101784.	2.6	14
60	Local clinical phototreatment of herpes infection in SÃ£o Paulo. Photodiagnosis and Photodynamic Therapy, 2012, 9, 118-121.	2.6	13
61	Extended conjugation in di- and tri-arylmethane dyes. Part 5. Vinylogues and ethynologues of Victoria Blue. Dyes and Pigments, 2000, 47, 129-142.	3.7	12
62	Dyes, flies, and sunny skies: photodynamic therapy and neglected tropical diseases. Coloration Technology, 2017, 133, 3-14.	1.5	12
63	Inhibitory action of phenothiazinium dyes against Neospora caninum. Scientific Reports, 2020, 10, 7483.	3.3	12
64	The problem with dyes in infection control. Dyes and Pigments, 2017, 146, 402-407.	3.7	11
65	Permeability of DOPC bilayers under photoinduced oxidation: Sensitivity to photosensitizer. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 2366-2373.	2.6	11
66	Influence of antimicrobial photodynamic therapy as an adjunctive to scaling and root planing on alveolar bone loss: A systematic review and meta-analysis of animal studies. Photodiagnosis and Photodynamic Therapy, 2019, 25, 354-363.	2.6	11
67	Photodynamic inactivation of Candida albicans and Candida tropicalis with aluminum phthalocyanine chloride nanoemulsion. Fungal Biology, 2020, 124, 297-303.	2.5	11
68	Comparative effects of different phenothiazine photosensitizers on experimental periodontitis treatment. Photodiagnosis and Photodynamic Therapy, 2021, 34, 102198.	2.6	11
69	Phenothiazinium photosensitisers VII: Novel substituted asymmetric N-benzylphenothiaziniums as photoantimicrobial agents. Journal of Photochemistry and Photobiology B: Biology, 2010, 99, 74-77.	3.8	10
70	Effects of butyl toluidine blue photosensitizer on antimicrobial photodynamic therapy for experimental periodontitis treatment in rats. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101868.	2.6	10
71	Anti-infective dyes in the time of COVID. Dyes and Pigments, 2021, 196, 109813.	3.7	9
72	Extended conjugation in di- and tri-arylmethane dyes. Part 4. Steric and electronic effects in analogues of Malachite Green containing a 2H-1-benzopyran unit. Perkin Transactions II RSC, 2000, , 263-269.	1.1	8

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73	Synthetic, small-molecule photoantimicrobials â€" a realistic approach. Photochemical and Photobiological Sciences, 2018, 17, 1767-1779.	2.9	8
74	Extended conjugation in di- and tri- arylmethane dyes. Part 3. The effects of increased planarity in Victoria Blue dyes. Dyes and Pigments, 1999, 40, 151-156.	3.7	7
75	Phenothiazinium Dyes Are Active against<i>Trypanosoma cruzi</i>In Vitro. BioMed Research International, 2019, 2019, 1-9.	1.9	7
76	Chemical features of the photosensitizers new methylene blue N and S137 influence their subcellular localization and photoinactivation efficiency in Candida albicans. Journal of Photochemistry and Photobiology B: Biology, 2020, 209, 111942.	3.8	6
77	N3,N7-diaminophenothiazinium derivatives as antagonists of Î±7-nicotinic acetylcholine receptors expressed in Xenopus oocytes. Pharmacological Research, 2012, 66, 213-218.	7.1	5
78	Photobactericidesâ€"A Local Option against Multi-Drug Resistant Bacteria. Antibiotics, 2013, 2, 182-190.	3.7	5
79	Phenothiazinium dyes for photodynamic treatment present lower environmental risk compared to a formulation of trifloxystrobin and tebuconazole. Journal of Photochemistry and Photobiology B: Biology, 2022, 226, 112365.	3.8	5
80	In vitro and in vivo photodynamic efficacies of novel and conventional phenothiazinium photosensitizers against multidrug-resistant Candida auris. Photochemical and Photobiological Sciences, 2022, 21, 1807-1818.	2.9	5
81	Antimicrobial Photodynamic Therapy in the Colon: Delivering a Light Punch to the Guts?. Photochemistry and Photobiology, 2011, 87, 754-756.	2.5	4
82	Synthesis and photophysical properties of <i>meso</i>â€aminophenylâ€substituted heptamethine dyes as potential leads to new contrast agents. Coloration Technology, 2019, 135, 305-311.	1.5	4
83	A New Penicillin?. Antibiotics, 2020, 9, 117.	3.7	4
84	Comparative study between photodynamic therapy with urucum + Led and probiotics in halitosis reductionâ€"protocol for a controlled clinical trial. PLoS ONE, 2021, 16, e0247096.	2.5	2
85	Championing photoantimicrobial discovery. Photodiagnosis and Photodynamic Therapy, 2011, 8, 288-9; author reply 289-90.	2.6	1
86	Laser-guided magic bulletsâ€"A non-antibiotic answer to Oâ€™Neill. Photodiagnosis and Photodynamic Therapy, 2016, 13, A1-A2.	2.6	1
87	Investigations of a series of novel cationic photosensitisers and their potential use in photodynamic therapy. Biochemical Society Transactions, 1995, 23, 260S-260S.	3.4	0
88	Dyes and Stains. , 0, , 13-26.		0
89	Photoactive plants: Botany bad boys or horticultural heroes?. Phytotherapy Research, 2018, 32, 561-563.	5.8	0