

Michael R. Hamblin

List of Publications by Year in descending order

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Version: 2024-02-01

843
papers

72,093
citations

464

130
h-index

1082

232
g-index

886
all docs

886
docs citations

886
times ranked

52712
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodynamic therapy of cancer: An update. <i>Ca-A Cancer Journal for Clinicians</i> , 2011, 61, 250-281.	157.7	3,902
2	Photodynamic therapy and anti-tumour immunity. <i>Nature Reviews Cancer</i> , 2006, 6, 535-545.	12.8	2,232
3	Photodynamic therapy: a new antimicrobial approach to infectious disease?. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 436.	1.6	1,672
4	Mechanisms in photodynamic therapy: part one—photosensitizers, photochemistry and cellular localization. <i>Photodiagnosis and Photodynamic Therapy</i> , 2004, 1, 279-293.	1.3	1,623
5	New photosensitizers for photodynamic therapy. <i>Biochemical Journal</i> , 2016, 473, 347-364.	1.7	1,437
6	Smart micro/nanoparticles in stimulus-responsive drug/gene delivery systems. <i>Chemical Society Reviews</i> , 2016, 45, 1457-1501.	18.7	1,152
7	The Nuts and Bolts of Low-level Laser (Light) Therapy. <i>Annals of Biomedical Engineering</i> , 2012, 40, 516-533.	1.3	1,056
8	Proposed Mechanisms of Photobiomodulation or Low-Level Light Therapy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 348-364.	1.9	850
9	Antimicrobial strategies centered around reactive oxygen species — bactericidal antibiotics, photodynamic therapy, and beyond. <i>FEMS Microbiology Reviews</i> , 2013, 37, 955-989.	3.9	785
10	Biphasic Dose Response in Low Level Light Therapy. <i>Dose-Response</i> , 2009, 7, dose-response.0.	0.7	782
11	Chitosan preparations for wounds and burns: antimicrobial and wound-healing effects. <i>Expert Review of Anti-Infective Therapy</i> , 2011, 9, 857-879.	2.0	714
12	COVID-19: Transmission, prevention, and potential therapeutic opportunities. <i>Clinica Chimica Acta</i> , 2020, 508, 254-266.	0.5	629
13	Photodynamic therapy for localized infections—State of the art. <i>Photodiagnosis and Photodynamic Therapy</i> , 2009, 6, 170-188.	1.3	621
14	Mechanisms in photodynamic therapy: part two—cellular signaling, cell metabolism and modes of cell death. <i>Photodiagnosis and Photodynamic Therapy</i> , 2005, 2, 1-23.	1.3	586
15	Biphasic Dose Response in Low Level Light Therapy — an Update. <i>Dose-Response</i> , 2011, 9, dose-response.1.	0.7	581
16	Mechanisms and applications of the anti-inflammatory effects of photobiomodulation. <i>AIMS Biophysics</i> , 2017, 4, 337-361.	0.3	567
17	Antimicrobial photodynamic inactivation: a bright new technique to kill resistant microbes. <i>Current Opinion in Microbiology</i> , 2016, 33, 67-73.	2.3	565
18	Type I and Type II Photosensitized Oxidation Reactions: Guidelines and Mechanistic Pathways. <i>Photochemistry and Photobiology</i> , 2017, 93, 912-919.	1.3	552

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19	Cell Death Pathways in Photodynamic Therapy of Cancer. <i>Cancers</i> , 2011, 3, 2516-2539.	1.7	548
20	Acute and Impaired Wound Healing. <i>Advances in Skin and Wound Care</i> , 2012, 25, 304-314.	0.5	524
21	Photoantimicrobials“are we afraid of the light?. <i>Lancet Infectious Diseases</i> , The, 2017, 17, e49-e55.	4.6	498
22	Mechanisms in photodynamic therapy: Part three“Photosensitizer pharmacokinetics, biodistribution, tumor localization and modes of tumor destruction. <i>Photodiagnosis and Photodynamic Therapy</i> , 2005, 2, 91-106.	1.3	437
23	Photodynamic therapy for infections: Clinical applications. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 755-767.	1.1	430
24	Antimicrobial Photodynamic Therapy to Kill Gram-negative Bacteria. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2013, 8, 108-120.	0.5	421
25	Mechanisms and Mitochondrial Redox Signaling in Photobiomodulation. <i>Photochemistry and Photobiology</i> , 2018, 94, 199-212.	1.3	390
26	Shining light on the head: Photobiomodulation for brain disorders. <i>BBA Clinical</i> , 2016, 6, 113-124.	4.1	388
27	Effect of Cell-Photosensitizer Binding and Cell Density on Microbial Photoinactivation. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2329-2335.	1.4	383
28	Chitin and Chitosan: Production and Application of Versatile Biomedical Nanomaterials. <i>International Journal of Advanced Research</i> , 2016, 4, 411-427.	0.0	383
29	Nanopharmaceuticals and nanomedicines currently on the market: challenges and opportunities. <i>Nanomedicine</i> , 2019, 14, 93-126.	1.7	376
30	Low-Level Laser Therapy Activates NF- κ B via Generation of Reactive Oxygen Species in Mouse Embryonic Fibroblasts. <i>PLoS ONE</i> , 2011, 6, e22453.	1.1	362
31	Low-level laser (light) therapy (LLLT) in skin: stimulating, healing, restoring. <i>Seminars in Cutaneous Medicine and Surgery</i> , 2013, 32, 41-52.	1.6	356
32	Nanomedicine and advanced technologies for burns: Preventing infection and facilitating wound healing. <i>Advanced Drug Delivery Reviews</i> , 2018, 123, 33-64.	6.6	339
33	Smart Nanostructures for Cargo Delivery: Uncaging and Activating by Light. <i>Journal of the American Chemical Society</i> , 2017, 139, 4584-4610.	6.6	335
34	Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. <i>Frontiers in Immunology</i> , 2015, 6, 588.	2.2	317
35	Photodynamic Therapy Targeted to Pathogens. <i>International Journal of Immunopathology and Pharmacology</i> , 2004, 17, 245-254.	1.0	312
36	Temperature-Responsive Smart Nanocarriers for Delivery Of Therapeutic Agents: Applications and Recent Advances. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21107-21133.	4.0	305

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37	PAMAM dendrimers as efficient drug and gene delivery nanosystems for cancer therapy. <i>Applied Materials Today</i> , 2018, 12, 177-190.	2.3	299
38	Brain Photobiomodulation Therapy: a Narrative Review. <i>Molecular Neurobiology</i> , 2018, 55, 6601-6636.	1.9	294
39	Point-of-care microfluidic devices for pathogen detection. <i>Biosensors and Bioelectronics</i> , 2018, 117, 112-128.	5.3	292
40	Antimicrobial Photodynamic Therapy to Control Clinically Relevant Biofilm Infections. <i>Frontiers in Microbiology</i> , 2018, 9, 1299.	1.5	286
41	Carbon based nanomaterials for tissue engineering of bone: Building new bone on small black scaffolds: A review. <i>Journal of Advanced Research</i> , 2019, 18, 185-201.	4.4	280
42	Type I and Type II mechanisms of antimicrobial photodynamic therapy: An in vitro study on gram-negative and gram-positive bacteria. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 490-499.	1.1	279
43	Albumin nanostructures as advanced drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 1609-1623.	2.4	271
44	Role of Low-Level Laser Therapy in Neurorehabilitation. <i>PM and R</i> , 2010, 2, S292-305.	0.9	264
45	Photodynamic therapy with fullerenes. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1139-1149.	1.6	259
46	Blue light for infectious diseases: Propionibacterium acnes, Helicobacter pylori, and beyond?. <i>Drug Resistance Updates</i> , 2012, 15, 223-236.	6.5	258
47	Psychological benefits 2 and 4 weeks after a single treatment with near infrared light to the forehead: a pilot study of 10 patients with major depression and anxiety. <i>Behavioral and Brain Functions</i> , 2009, 5, 46.	1.4	257
48	Mannose-binding Lectin-deficient Mice Are Susceptible to Infection with Staphylococcus aureus. <i>Journal of Experimental Medicine</i> , 2004, 199, 1379-1390.	4.2	256
49	Stimulus-responsive polymeric nanogels as smart drug delivery systems. <i>Acta Biomaterialia</i> , 2019, 92, 1-18.	4.1	255
50	Biological effects and medical applications of infrared radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 170, 197-207.	1.7	253
51	Noble metal nanoparticles in biosensors: recent studies and applications. <i>Nanotechnology Reviews</i> , 2017, 6, 301-329.	2.6	251
52	Targeted Antimicrobial Photochemotherapy. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 2595-2601.	1.4	244
53	Polycationic photosensitizer conjugates: effects of chain length and Gram classification on the photodynamic inactivation of bacteria. <i>Journal of Antimicrobial Chemotherapy</i> , 2002, 49, 941-951.	1.3	244
54	Cationic Fullerenes Are Effective and Selective Antimicrobial Photosensitizers. <i>Chemistry and Biology</i> , 2005, 12, 1127-1135.	6.2	231

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55	Effect of pulsing in low-level light therapy. <i>Lasers in Surgery and Medicine</i> , 2010, 42, 450-466.	1.1	227
56	Functionalized fullerenes mediate photodynamic killing of cancer cells: Type I versus Type II photochemical mechanism. <i>Free Radical Biology and Medicine</i> , 2007, 43, 711-719.	1.3	225
57	Use of chitosan bandage to prevent fatal infections developing from highly contaminated wounds in mice. <i>Biomaterials</i> , 2006, 27, 4157-4164.	5.7	223
58	Mechanisms of low level light therapy. , 2006, 6140, 614001.		223
59	The Use of Low Level Laser Therapy (LLLT) For Musculoskeletal Pain. <i>MOJ Orthopedics & Rheumatology</i> , 2015, 2, .	0.2	221
60	Improved Cognitive Function After Transcranial, Light-Emitting Diode Treatments in Chronic, Traumatic Brain Injury: Two Case Reports. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 351-358.	2.1	218
61	Can microbial cells develop resistance to oxidative stress in antimicrobial photodynamic inactivation?. <i>Drug Resistance Updates</i> , 2017, 31, 31-42.	6.5	216
62	Antimicrobial Effects of Photodynamic Therapy on Patients with Necrotic Pulps and Periapical Lesion. <i>Journal of Endodontics</i> , 2008, 34, 138-142.	1.4	214
63	All you need is light. <i>Virulence</i> , 2011, 2, 509-520.	1.8	212
64	The immune system and COVID-19: Friend or foe?. <i>Life Sciences</i> , 2020, 256, 117900.	2.0	211
65	Photodynamic therapy with fullerenes <i>in vivo</i> : reality or a dream?. <i>Nanomedicine</i> , 2011, 6, 1813-1825.	1.7	210
66	Light based anti-infectives: ultraviolet C irradiation, photodynamic therapy, blue light, and beyond. <i>Current Opinion in Pharmacology</i> , 2013, 13, 731-762.	1.7	210
67	Antimicrobial photodynamic therapy combined with conventional endodontic treatment to eliminate root canal biofilm infection. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 59-66.	1.1	209
68	Stimulation of anti-tumor immunity by photodynamic therapy. <i>Expert Review of Clinical Immunology</i> , 2011, 7, 75-91.	1.3	209
69	Significant Improvements in Cognitive Performance Post-Transcranial, Red/Near-Infrared Light-Emitting Diode Treatments in Chronic, Mild Traumatic Brain Injury: Open-Protocol Study. <i>Journal of Neurotrauma</i> , 2014, 31, 1008-1017.	1.7	207
70	Photoactivation of Endogenous Latent Transforming Growth Factor β 1 Directs Dental Stem Cell Differentiation for Regeneration. <i>Science Translational Medicine</i> , 2014, 6, 238ra69.	5.8	206
71	<i>Helicobacter pylori</i> Accumulates Photoactive Porphyrins and Is Killed by Visible Light. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2822-2827.	1.4	205
72	Rapid Control of Wound Infections by Targeted Photodynamic Therapy Monitored by In Vivo Bioluminescence Imaging. <i>Photochemistry and Photobiology</i> , 2002, 75, 51.	1.3	203

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73	Uptake pathways of anionic and cationic photosensitizers into bacteria. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 788-795.	1.6	202
74	Concepts and Principles of Photodynamic Therapy as an Alternative Antifungal Discovery Platform. <i>Frontiers in Microbiology</i> , 2012, 3, 120.	1.5	200
75	Topical Antimicrobials for Burn Wound Infections. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2010, 5, 124-151.	0.5	199
76	Antimicrobial blue light inactivation of pathogenic microbes: State of the art. <i>Drug Resistance Updates</i> , 2017, 33-35, 1-22.	6.5	196
77	Photodynamic therapy plus low-dose cyclophosphamide generates antitumor immunity in a mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5495-5500.	3.3	193
78	Tumor cell survival pathways activated by photodynamic therapy: a molecular basis for pharmacological inhibition strategies. <i>Cancer and Metastasis Reviews</i> , 2015, 34, 643-690.	2.7	191
79	Therapeutic bacteria to combat cancer; current advances, challenges, and opportunities. <i>Cancer Medicine</i> , 2019, 8, 3167-3181.	1.3	191
80	Blue Light Rescues Mice from Potentially Fatal <i>Pseudomonas aeruginosa</i> Burn Infection: Efficacy, Safety, and Mechanism of Action. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1238-1245.	1.4	187
81	Mesenchymal stem cell-derived exosomes: a new therapeutic approach to osteoarthritis?. <i>Stem Cell Research and Therapy</i> , 2019, 10, 340.	2.4	185
82	Photodynamic therapy for methicillin-resistant <i>Staphylococcus aureus</i> infection in a mouse skin abrasion model. <i>Lasers in Surgery and Medicine</i> , 2010, 42, 38-44.	1.1	184
83	Significant Improvement in Cognition in Mild to Moderately Severe Dementia Cases Treated with Transcranial Plus Intranasal Photobiomodulation: Case Series Report. <i>Photomedicine and Laser Surgery</i> , 2017, 35, 432-441.	2.1	184
84	Photobiomodulation: lasers vs. light emitting diodes?. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1003-1017.	1.6	184
85	Review of light parameters and photobiomodulation efficacy: dive into complexity. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	181
86	Far infrared radiation (FIR): Its biological effects and medical applications. <i>Photonics & Lasers in Medicine</i> , 2012, 1, 255-266.	0.3	180
87	Low level laser therapy/photobiomodulation in the management of side effects of chemoradiation therapy in head and neck cancer: part 1: mechanisms of action, dosimetric, and safety considerations. <i>Supportive Care in Cancer</i> , 2016, 24, 2781-2792.	1.0	179
88	Ultraviolet C irradiation: an alternative antimicrobial approach to localized infections?. <i>Expert Review of Anti-Infective Therapy</i> , 2012, 10, 185-195.	2.0	177
89	Photodynamic Therapy for Cancer: What's Past is Prologue. <i>Photochemistry and Photobiology</i> , 2020, 96, 506-516.	1.3	176
90	Comparison of Therapeutic Effects between Pulsed and Continuous Wave 810-nm Wavelength Laser Irradiation for Traumatic Brain Injury in Mice. <i>PLoS ONE</i> , 2011, 6, e26212.	1.1	175

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91	Effects of Growth Phase and Extracellular Slime on Photodynamic Inactivation of Gram-Positive Pathogenic Bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2173-2178.	1.4	173
92	Low-level laser (light) therapy (LLLT) for treatment of hair loss. <i>Lasers in Surgery and Medicine</i> , 2014, 46, 144-151.	1.1	173
93	Phenothiazinium Antimicrobial Photosensitizers Are Substrates of Bacterial Multidrug Resistance Pumps. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 196-203.	1.4	172
94	pH-Sensitive stimulus-responsive nanocarriers for targeted delivery of therapeutic agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 696-716.	3.3	171
95	Low-level laser therapy/photobiomodulation in the management of side effects of chemoradiation therapy in head and neck cancer: part 2: proposed applications and treatment protocols. <i>Supportive Care in Cancer</i> , 2016, 24, 2793-2805.	1.0	169
96	Photodynamic therapy for <i>Staphylococcus aureus</i> infected burn wounds in mice. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 503.	1.6	168
97	Carbon Nanotubes: Smart Drug/Gene Delivery Carriers. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1681-1706.	3.3	168
98	Protease-Stable Polycationic Photosensitizer Conjugates between Polyethyleneimine and Chlorin(e6) for Broad-Spectrum Antimicrobial Photoinactivation. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 1402-1410.	1.4	167
99	Efficacy and Safety of a Low-level Laser Device in the Treatment of Male and Female Pattern Hair Loss: A Multicenter, Randomized, Sham Device-controlled, Double-blind Study. <i>American Journal of Clinical Dermatology</i> , 2014, 15, 115-127.	3.3	167
100	Low-level laser (light) therapy (LLLT) on muscle tissue: performance, fatigue and repair benefited by the power of light. <i>Photonics & Lasers in Medicine</i> , 2012, 1, 267-286.	0.3	166
101	Cytoplasmic Molecular Delivery with Shock Waves:Importance of Impulse. <i>Biophysical Journal</i> , 2000, 79, 1821-1832.	0.2	164
102	Optical Monitoring and Treatment of Potentially Lethal Wound Infections In Vivo. <i>Journal of Infectious Diseases</i> , 2003, 187, 1717-1726.	1.9	161
103	Pathogenic role of exosomes and microRNAs in HPV-mediated inflammation and cervical cancer: A review. <i>International Journal of Cancer</i> , 2020, 146, 305-320.	2.3	160
104	Can regenerative medicine and nanotechnology combine to heal wounds? The search for the ideal wound dressing. <i>Nanomedicine</i> , 2017, 12, 2403-2422.	1.7	160
105	Photoactivated rose bengal functionalized chitosan nanoparticles produce antibacterial/biofilm activity and stabilize dentin-collagen. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 491-501.	1.7	159
106	Acute and Impaired Wound Healing. <i>Advances in Skin and Wound Care</i> , 2012, 25, 349-370.	0.5	155
107	Infrared and skin: Friend or foe. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 155, 78-85.	1.7	155
108	Low-level light stimulates excisional wound healing in mice. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 706-715.	1.1	152

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109	Options and Limitations in Clinical Investigation of Bacterial Biofilms. <i>Clinical Microbiology Reviews</i> , 2018, 31, .	5.7	150
110	New trends in photobiology. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1994, 23, 3-8.	1.7	149
111	Synergistic Combination of Chitosan Acetate with Nanoparticle Silver as a Topical Antimicrobial: Efficacy against Bacterial Burn Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3432-3438.	1.4	148
112	Antimicrobial photodynamic inactivation in nanomedicine: small light strides against bad bugs. <i>Nanomedicine</i> , 2015, 10, 2379-2404.	1.7	148
113	Photobiomodulation or low-level laser therapy. <i>Journal of Biophotonics</i> , 2016, 9, 1122-1124.	1.1	148
114	Photobiomodulation (blue and green light) encourages osteoblastic-differentiation of human adipose-derived stem cells: role of intracellular calcium and light-gated ion channels. <i>Scientific Reports</i> , 2016, 6, 33719.	1.6	148
115	Mechanisms and Effects of Transcranial Direct Current Stimulation. <i>Dose-Response</i> , 2017, 15, 155932581668546.	0.7	147
116	Photobiomodulation for traumatic brain injury and stroke. <i>Journal of Neuroscience Research</i> , 2018, 96, 731-743.	1.3	147
117	Carbon nanotubes part II: a remarkable carrier for drug and gene delivery. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1089-1105.	2.4	145
118	Low-level laser therapy (LLLT) reduces oxidative stress in primary cortical neurons in vitro. <i>Journal of Biophotonics</i> , 2013, 6, 829-838.	1.1	144
119	Advances in antimicrobial photodynamic inactivation at the nanoscale. <i>Nanophotonics</i> , 2017, 6, 853-879.	2.9	144
120	Low-level laser therapy for traumatic brain injury in mice increases brain derived neurotrophic factor (BDNF) and synaptogenesis. <i>Journal of Biophotonics</i> , 2015, 8, 502-511.	1.1	142
121	Photodynamic therapy in dermatology beyond non-melanoma cancer: An update. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 19, 140-152.	1.3	142
122	Targeted photodynamic therapy of established soft-tissue infections in mice. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 451.	1.6	141
123	Photobiomodulation and the brain: a new paradigm. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 013003.	1.0	141
124	Dose response effects of 810-nm laser light on mouse primary cortical neurons. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 851-859.	1.1	140
125	Photodynamic inactivation of biofilm: taking a lightly colored approach to stubborn infection. <i>Expert Review of Anti-Infective Therapy</i> , 2013, 11, 669-693.	2.0	140
126	Low level laser therapy increases angiogenesis in a model of ischemic skin flap in rats mediated by VEGF, HIF-1 α and MMP-2. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 125, 164-170.	1.7	140

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127	Physical energy for drug delivery; poration, concentration and activation. <i>Advanced Drug Delivery Reviews</i> , 2014, 71, 98-114.	6.6	139
128	Photobiomodulation of human adipose-derived stem cells using 810 nm and 980 nm lasers operates via different mechanisms of action. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 441-449.	1.1	138
129	Recent advances in porphyrin-based nanocomposites for effective targeted imaging and therapy. <i>Biomaterials</i> , 2020, 232, 119707.	5.7	138
130	Photodynamic Therapy for <i>Acinetobacter baumannii</i> Burn Infections in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 3929-3934.	1.4	136
131	Stable Synthetic Cationic Bacteriochlorins as Selective Antimicrobial Photosensitizers. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3834-3841.	1.4	136
132	Bacterial Photodynamic Inactivation Mediated by Methylene Blue and Red Light Is Enhanced by Synergistic Effect of Potassium Iodide. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5203-5212.	1.4	136
133	Low-level Laser (Light) Therapy Increases Mitochondrial Membrane Potential and ATP Synthesis in C2C12 Myotubes with a Peak Response at 6 h. <i>Photochemistry and Photobiology</i> , 2015, 91, 411-416.	1.3	136
134	Review of transcranial photobiomodulation for major depressive disorder: targeting brain metabolism, inflammation, oxidative stress, and neurogenesis. <i>Neurophotonics</i> , 2016, 3, 031404.	1.7	136
135	Nanotechnology for angiogenesis: opportunities and challenges. <i>Chemical Society Reviews</i> , 2020, 49, 5008-5057.	18.7	135
136	Antimicrobial and Efflux Pump Inhibitory Activity of Caffeoylquinic Acids from <i>Artemisia absinthium</i> against Gram-Positive Pathogenic Bacteria. <i>PLoS ONE</i> , 2011, 6, e18127.	1.1	133
137	Immune response after photodynamic therapy increases anti-cancer and anti-bacterial effects. <i>World Journal of Immunology</i> , 2014, 4, 1.	0.5	133
138	Bacteriophages and phage-inspired nanocarriers for targeted delivery of therapeutic cargos. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 45-62.	6.6	133
139	Circular RNAs and gastrointestinal cancers: Epigenetic regulators with a prognostic and therapeutic role. <i>Critical Reviews in Oncology/Hematology</i> , 2020, 145, 102854.	2.0	132
140	Recent advances in the application of mesoporous silica-based nanomaterials for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2020, 107, 110267.	3.8	130
141	Photodynamic therapy for cancer: Role of natural products. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 395-404.	1.3	128
142	The urgent need for integrated science to fight COVID-19 pandemic and beyond. <i>Journal of Translational Medicine</i> , 2020, 18, 205.	1.8	128
143	Photodynamic Therapy of Tumors Can Lead to Development of Systemic Antigen-Specific Immune Response. <i>PLoS ONE</i> , 2010, 5, e15194.	1.1	126
144	Antimicrobial blue light inactivation of <i>Pseudomonas aeruginosa</i> by photo-excitation of endogenous porphyrins: In vitro and in vivo studies. <i>Lasers in Surgery and Medicine</i> , 2016, 48, 562-568.	1.1	126

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145	Recent Developments in Graphene and Graphene Oxide: Properties, Synthesis, and Modifications: A Review. <i>ChemistrySelect</i> , 2020, 5, 10200-10219.	0.7	126
146	Inhibitors of Bacterial Multidrug Efflux Pumps Potentiate Antimicrobial Photoinactivation. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 3202-3209.	1.4	125
147	Can nanotechnology potentiate photodynamic therapy?. <i>Nanotechnology Reviews</i> , 2012, 1, 111-146.	2.6	125
148	Stimulus-responsive sequential release systems for drug and gene delivery. <i>Nano Today</i> , 2020, 34, 100914.	6.2	125
149	<i>Helicobacter pylori</i> in patients can be killed by visible light. <i>Lasers in Surgery and Medicine</i> , 2005, 36, 260-265.	1.1	122
150	Low-level laser therapy for zymosan-induced arthritis in rats: Importance of illumination time. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 543-550.	1.1	122
151	Low-level Laser Therapy for Closed-head Traumatic Brain Injury in Mice: Effect of Different Wavelengths. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 218-226.	1.1	122
152	Antimicrobial Blue Light Therapy for Multidrug-Resistant <i>Acinetobacter baumannii</i> Infection in a Mouse Burn Model: Implications for Prophylaxis and Treatment of Combat-related Wound Infections. <i>Journal of Infectious Diseases</i> , 2014, 209, 1963-1971.	1.9	122
153	Accelerated wound healing in a diabetic rat model using decellularized dermal matrix and human umbilical cord perivascular cells. <i>Acta Biomaterialia</i> , 2016, 45, 234-246.	4.1	122
154	Nanocaged platforms: modification, drug delivery and nanotoxicity. Opening synthetic cages to release the tiger. <i>Nanoscale</i> , 2017, 9, 1356-1392.	2.8	122
155	Red (660 nm) or near-infrared (810 nm) photobiomodulation stimulates, while blue (415 nm), green (540 nm) light inhibits proliferation in human adipose-derived stem cells. <i>Scientific Reports</i> , 2017, 7, 7781.	1.6	122
156	Microbial Efflux Systems and Inhibitors: Approaches to Drug Discovery and the Challenge of Clinical Implementation. <i>Open Microbiology Journal</i> , 2013, 7, 34-52.	0.2	121
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