

# Liyi Huang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8196418/publications.pdf>

Version: 2024-02-01

27  
papers

1,897  
citations

331670

21  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2392  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.1	279
2	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.	3.2	148
3	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.	2.3	142
4	Stable Synthetic Cationic Bacteriochlorins as Selective Antimicrobial Photosensitizers. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3834-3841.	3.2	136
5	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.	3.2	136
6	Antimicrobial Photodynamic Inactivation and Photodynamic Therapy for Infections. <i>Methods in Molecular Biology</i> , 2010, 635, 155-173.	0.9	120
7	Transcranial low-level laser therapy enhances learning, memory, and neuroprogenitor cells after traumatic brain injury in mice. <i>Journal of Biomedical Optics</i> , 2014, 19, 108003.	2.6	117
8	Paradoxical potentiation of methylene blue-mediated antimicrobial photodynamic inactivation by sodium azide: Role of ambient oxygen and azide radicals. <i>Free Radical Biology and Medicine</i> , 2012, 53, 2062-2071.	2.9	105
9	Potassium Iodide Potentiates Broad-Spectrum Antimicrobial Photodynamic Inactivation Using Photofrin. <i>ACS Infectious Diseases</i> , 2017, 3, 320-328.	3.8	105
10	Innovative cationic fullerenes as broad-spectrum light-activated antimicrobials. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 442-452.	3.3	104
11	Potential by potassium iodide reveals that the anionic porphyrin TPPS4 is a surprisingly effective photosensitizer for antimicrobial photodynamic inactivation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 277-286.	3.8	64
12	Repeated transcranial low-level laser therapy for traumatic brain injury in mice: biphasic dose response and long-term treatment outcome. <i>Journal of Biophotonics</i> , 2016, 9, 1263-1272.	2.3	54
13	Stable synthetic mono-substituted cationic bacteriochlorins mediate selective broad-spectrum photoinactivation of drug-resistant pathogens at nanomolar concentrations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 141, 119-127.	3.8	50
14	Thiocyanate potentiates antimicrobial photodynamic therapy: In situ generation of the sulfur trioxide radical anion by singlet oxygen. <i>Free Radical Biology and Medicine</i> , 2013, 65, 800-810.	2.9	46
15	Antimicrobial photodynamic therapy with decacationic monoadducts and bisadducts of [70]fullerene: <i>in vitro</i> and <i>in vivo</i> studies. <i>Nanomedicine</i> , 2014, 9, 253-266.	3.3	45
16	Photodynamic inactivation of bacteria using polyethylenimine-chlorin(e6) conjugates: Effect of polymer molecular weight, substitution ratio of chlorin(e6) and pH. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 313-323.	2.1	42
17	A powerful combination of copper-cysteamine nanoparticles with potassium iodide for bacterial destruction. <i>Materials Science and Engineering C</i> , 2020, 110, 110659.	7.3	35
18	Progressive cationic functionalization of chlorin derivatives for antimicrobial photodynamic inactivation and related vancomycin conjugates. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 638-651.	2.9	34

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19	Comparison of two functionalized fullerenes for antimicrobial photodynamic inactivation: Potentiation by potassium iodide and photochemical mechanisms. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 186, 197-206.	3.8	31
20	Structure–function relationships of Nile blue (EtNBS) derivatives as antimicrobial photosensitizers. <i>European Journal of Medicinal Chemistry</i> , 2014, 75, 479-491.	5.5	28
21	Antimicrobial Photodynamic Inactivation Mediated by Tetracyclines in Vitro and in Vivo: Photochemical Mechanisms and Potentiation by Potassium Iodide. <i>Scientific Reports</i> , 2018, 8, 17130.	3.3	25
22	Antimicrobial photodynamic inactivation is potentiated by the addition of selenocyanate: Possible involvement of selenocyanogen?. <i>Journal of Biophotonics</i> , 2018, 11, e201800029.	2.3	14
23	Amphiphilic tetracationic porphyrins are exceptionally active antimicrobial photosensitizers: In vitro and in vivo studies with the free-base and Pd-chelate. <i>Journal of Biophotonics</i> , 2019, 12, e201800318.	2.3	13
24	Antimicrobial photodynamic therapy for oral <i>Candida</i> infection in adult AIDS patients: A pilot clinical trial. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102310.	2.6	11
25	Comparison of thiocyanate and selenocyanate for potentiation of antimicrobial photodynamic therapy. <i>Journal of Biophotonics</i> , 2019, 12, e201800092.	2.3	9
26	A traditional Chinese medicine compound (Jian Er) for presbycusis in a mouse model: Reduction of apoptosis and protection of cochlear sensorineural cells and hearing. <i>International Journal of Herbal Medicine</i> , 2018, 6, 127-135.	0.2	2
27	Cationic Functionalization of Chlorin Derivatives for Antimicrobial Photodynamic Inactivation and Related Vancomycin Conjugate. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-9-1.	0.0	0