

Buhong Li

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,014
citations

567281

15
h-index

434195

31
g-index

38
all docs

38
docs citations

38
times ranked

1340
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the Graphitized Nanodiamond-Mediated Activation of Peroxymonosulfate: Singlet Oxygenation versus Electron Transfer. <i>Environmental Science & Technology</i> , 2021, 55, 16078-16087.	10.0	155
2	Photosensitized singlet oxygen generation and detection: Recent advances and future perspectives in cancer photodynamic therapy. <i>Journal of Biophotonics</i> , 2016, 9, 1314-1325.	2.3	148
3	Near-Infrared Emitting Materials via Harvesting Triplet Excitons: Molecular Design, Properties, and Application in Organic Light Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800466.	7.3	139
4	Label-free detection of serum proteins using surface-enhanced Raman spectroscopy for colorectal cancer screening. <i>Journal of Biomedical Optics</i> , 2014, 19, 087003.	2.6	75
5	Chlorin $\text{p}6$ -Based Water-Soluble Amino Acid Derivatives as Potent Photosensitizers for Photodynamic Therapy. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 4999-5010.	6.4	53
6	Surface-enhanced Raman scattering spectroscopy for potential noninvasive nasopharyngeal cancer detection. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 497-502.	2.5	43
7	Mitochondrial Ca^{2+} -overloading by oxygen/glutathione depletion-boosted photodynamic therapy based on a CaCO_3 nanoplatform for tumor synergistic therapy. <i>Acta Biomaterialia</i> , 2022, 137, 252-261.	8.3	38
8	Nano-photosensitizers for enhanced photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 36, 102597.	2.6	36
9	Label-free optical detection of type II diabetes based on surface-enhanced Raman spectroscopy and multivariate analysis. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 884-889.	2.5	25
10	Intraoperative monitoring of blood perfusion in port wine stains by laser Doppler imaging during vascular targeted photodynamic therapy: A preliminary study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 14, 142-151.	2.6	23
11	Relationship between the blood perfusion values determined by laser speckle imaging and laser Doppler imaging in normal skin and port wine stains. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 13, 1-9.	2.6	19
12	Differentiation of digestive system cancers by using serum protein-based surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 16-21.	2.5	19
13	Serum albumin and globulin analysis for hepatocellular carcinoma detection avoiding false-negative results from alpha-fetoprotein test negative subjects. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	17
14	Transition-Metal-Controlled Synthesis of 11-H-Benzo[<i>a</i>]carbazoles and 6-Alkylidene-6-H-isoindo[2,1- <i>a</i>]indoles via Sequential Intermolecular/Intramolecular Cross-Dehydrogenative Coupling from 2-Phenylindoles. <i>Organic Letters</i> , 2019, 21, 6839-6843.	4.6	17
15	Thrombin Based Photothermal-Responsive Nanoplatform for Tumor-Specific Embolization Therapy. <i>Small</i> , 2021, 17, e2105033.	10.0	17
16	Effect of oxygen concentration on singlet oxygen luminescence detection. <i>Journal of Luminescence</i> , 2014, 152, 98-102.	3.1	16
17	5-aminolevulinic acid mediated photodynamic therapy inhibits survival activity and promotes apoptosis of A375 and A431 cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 21, 257-262.	2.6	16
18	Internal light source for deep photodynamic therapy. <i>Light: Science and Applications</i> , 2022, 11, 85.	16.6	16

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19	Differences in sensitivity to HMME-mediated photodynamic therapy between EBV+ C666-1 and EBV ⁺ CNE2 cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2010, 7, 204-209.	2.6	15
20	Gadolinium-doped hollow CeO ₂ -ZrO ₂ nanoplatfrom as multifunctional MRI/CT dual-modal imaging agent and drug delivery vehicle. <i>Drug Delivery</i> , 2018, 25, 353-363.	5.7	14
21	Access to 5-H-benzo[<i>a</i>]carbazol-6-ols and benzo[6,7]cyclohepta[1,2- <i>b</i>]indol-6-ols via rhodium-catalyzed ¹³ C activation/carbenoid insertion/aldol-type cyclization. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3146-3159.	4.5	14
22	Automatic protocol for quantifying the vasoconstriction in blood vessel images. <i>Biomedical Optics Express</i> , 2020, 11, 2122.	2.9	13
23	eEF1A1 binds and enriches protoporphyrin IX in cancer cells in 5-aminolevulinic acid based photodynamic therapy. <i>Scientific Reports</i> , 2016, 6, 25353.	3.3	11
24	Erythrocyte membrane analysis for type II diabetes detection using Raman spectroscopy in high-wavenumber region. <i>Applied Physics Letters</i> , 2014, 104, 104102.	3.3	9
25	Correlation of <i>in vivo</i> tumor response and singlet oxygen luminescence detection in mTHPC-mediated photodynamic therapy. <i>Journal of Innovative Optical Health Sciences</i> , 2015, 08, 1540006.	1.0	9
26	Singlet Oxygen Luminescence Image in Blood Vessels During Vascular Targeted Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2020, 96, 646-651.	2.5	9
27	Singlet oxygen mediated photodynamic effects. <i>Photonics & Lasers in Medicine</i> , 2015, 4, .	0.2	6
28	Effects of pulse width and repetition rate of pulsed laser on kinetics and production of singlet oxygen luminescence. <i>Journal of Innovative Optical Health Sciences</i> , 2016, 09, 1650019.	1.0	6
29	Quenching effects of (-)-Epigallocatechin gallate for singlet oxygen production and its protection against oxidative damage induced by Ce6-mediated photodynamic therapy <i>in vitro</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 36, 102467.	2.6	6
30	Monitoring blood volume fraction and oxygen saturation in port-wine stains during vascular targeted photodynamic therapy with diffuse reflectance spectroscopy: Results of a preliminary case study. <i>Photonics & Lasers in Medicine</i> , 2014, 3, .	0.2	5
31	Gold nanoaggregates for probing single-living cell based on surface-enhanced Raman spectroscopy. <i>Journal of Biomedical Optics</i> , 2014, 20, 051005.	2.6	5
32	Ultrasound Triggered In Situ Gelation to Overcome Tumor Hypoxia for Enhanced Photodynamic and Sustained Chemotherapy. <i>Advanced Therapeutics</i> , 2021, 4, 2100052.	3.2	5
33	Recent progress in medical photonics. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2009, 52, 856-863.	0.2	4
34	A highly stable and biocompatible optical bioimaging nanoprobe based on carbon nanospheres. <i>RSC Advances</i> , 2016, 6, 37472-37477.	3.6	3
35	Determination of Optical and Microvascular Parameters of Port Wine Stains Using Diffuse Reflectance Spectroscopy. <i>Advances in Experimental Medicine and Biology</i> , 2016, 923, 359-365.	1.6	3
36	Multi-step deep neural network for identifying subfacial vessels in a dorsal skinfold window chamber model. <i>Biomedical Optics Express</i> , 2022, 13, 426.	2.9	2

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37	Rapid skin optical clearing enhancement with salicylic acid for imaging blood vessels in vivo. Photodiagnosis and Photodynamic Therapy, 2020, 32, 102005.	2.6	0