Zhongqiang Li

List of Publications by Year
in descending order

32 papers	**347** citations	933447 **10** h-index	839539 **18** g-index
33 all docs	**33** docs citations	**33** times ranked	**233** citing authors

#	Article	IF	Citations
1	Synthesis of Ag–Ho, Ag–Sm, Ag–Zn, Ag–Cu, Ag–Cs, Ag–Zr, Ag–Er, Ag–Y and Ag–Co metal organic nanoparticles for UV-Vis-NIR wide-range bio-tissue imaging. Photochemical and Photobiological Sciences, 2019, 18, 1081-1091.	2.9	82
2	Detection of pancreatic cancer by convolutional-neural-network-assisted spontaneous Raman spectroscopy with critical feature visualization. Neural Networks, 2021, 144, 455-464.	5.9	39
3	Research Progress on the Early Monitoring of Pine Wilt Disease Using Hyperspectral Techniques. Sensors, 2020, 20, 3729.	3.8	31
4	Endoscopic near‐infrared dental imaging with indocyanine green: a pilot study. Annals of the New York Academy of Sciences, 2018, 1421, 88-96.	3.8	17
5	Indocyanine green–assisted dental imaging in the first and second near‐infrared windows as compared with X‐ray imaging. Annals of the New York Academy of Sciences, 2019, 1448, 42-51.	3.8	17
6	Nanofluorophore Assisted Fluorescence Image-guided Cancer Surgery. Journal of Medical - Clinical Research & Reviews, 2018, 2, 1-3.	0.1	14
7	Key Structure Design and Experiment of Air-Suction Vegetable Seed-Metering Device. Agronomy, 2022, 12, 675.	3.0	14
8	Synthesis of Samarium-Based Metal Organic Compound Nanoparticles with Polychromatic-Photoluminescence for Bio-Tissue Fluorescence Imaging. Molecules, 2019, 24, 3657.	3.8	13
9	Detection and analysis of enamel cracks by ICG‐NIR fluorescence dental imaging. Annals of the New York Academy of Sciences, 2020, 1475, 52-63.	3.8	13
10	Facile one-pot synthesis of 3D graphite–SiO_2 composite foam for negative resistance devices. RSC Advances, 2017, 7, 41812-41818.	3.6	11
11	Detection of pancreatic cancer by indocyanine green‐assisted fluorescence imaging in the first and second near‐infrared windows. Cancer Communications, 2021, 41, 1431-1434.	9.2	10
12	Indocyanine-green-assisted near-infrared dental imaging - the feasibility of in vivo imaging and the optimization of imaging conditions. Scientific Reports, 2019, 9, 8238.	3.3	9
13	Toward a Rapid-Fabricated Triboelectric Device with a 1,3-Phosphorylated Poly(vinyl alcohol) Polymer for Water Turbulence Energy Harvesting. ACS Omega, 2018, 3, 8421-8428.	3.5	8
14	Improvement of cell deposition by self-absorbent capability of freeze-dried 3D-bioprinted scaffolds derived from cellulose material-alginate hydrogels. Biomedical Physics and Engineering Express, 2020, 6, 045009.	1.2	8
15	Phase Noise and Jitter Measurements in SEU-Hardened CMOS Phase Locked Loop Design. , 2021, , .		8
16	Optimal imaging windows of indocyanine green‐assisted near‐infrared dental imaging with rat model and its comparison to X‐ray imaging. Journal of Biophotonics, 2020, 13, e201960232.	2.3	7
17	An optimized JPEG-XT-based algorithm for the lossy and lossless compression of 16-bit depth medical image. Biomedical Signal Processing and Control, 2021, 64, 102306.	5.7	7
18	An Ultra-Low Power MOS2 Tunnel Field Effect Transistor PLL Design for IoT Applications. , 2021, , .		7

#	Article	IF	Citations
19	Atmospheric Processing at the Sea–Land Interface Over the South China Sea: Secondary Aerosol Formation, Aerosol Acidity, and Role of Sea Salts. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	7
20	New horizons in intraoperative diagnostics of cancer in image and spectroscopy guided pancreatic cancer surgery. European Journal of Molecular and Clinical Medicine, 2017, 1, 2.	0.1	5
21	Fabrication and Performance of Graphene Flexible Pressure Sensor with Micro/Nano Structure. Sensors, 2021, 21, 7022.	3.8	4
22	Cover Image, Volume 1421, Issue 1. Annals of the New York Academy of Sciences, 2018, 1421, i-i.	3.8	3
23	Synthesis of praseodymium-and molybdenum- sulfide nanoparticles for dye-photodegradation and near-infrared deep-tissue imaging. Materials Research Express, 2020, 7, 036203.	1.6	3
24	An Exergoeconomic Analysis of a Gas-Type Industrial Drying System of Black Tea. Entropy, 2022, 24, 655.	2.2	3
25	Synthesis of Holmium-Oxide Nanoparticles for Near-Infrared Imaging and Dye-Photodegradation. Molecules, 2022, 27, 3522.	3.8	3
26	Modeling the Effects of SBD, HCI, and NBTI in CMOS Voltage Controlled Oscillator Design for PLL Applications. , 2021, , .		2
27	A Low Power MoS_2 TFET-Based Op-amp Design for Computational Circuits. , 2021, , .		1
28	CMOS Transistor-Based Memristor Emulator Circuit Design for High Frequency Applications. , 2021, , .		1
29	Simultaneous Enhancement of Near-Infrared Emission and Dye Photodegradation in a Racemic Aspartic Acid Compound via Metal-Ion Modification. ACS Omega, 2019, 4, 19136-19144.	3.5	0
30	Modeling of MoS2 Tunnel Field Effect Transistor in Verilog-A for VLSI Circuit Design. , 2021, , .		0
31	Design and Performance Comparisons of Tri-State Buffer Driver in Graphene, TMDC, and CNT-Based Transistor Technologies. , 2021, , .		0
32	Analytical modeling and design optimization of a graphene/n-GaAs Schottky junction solar cell. Journal of Photonics for Energy, 2022, 12, .	1.3	0