

Run-Ze Li

List of Publications by Year in descending order

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27
papers

446
citations

840776

11
h-index

713466

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g-index

28
all docs

28
docs citations

28
times ranked

645
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced limonene production in cyanobacteria reveals photosynthesis limitations. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14225-14230.	7.1	152
2	Synergistic reaction of silver nitrate, silver nanoparticles, and methylene blue against bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13612-13617.	7.1	48
3	In situ detection of live-to-dead bacteria ratio after inactivation by means of synchronous fluorescence and PCA. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 668-673.	7.1	45
4	Four-dimensional imaging of the initial stage of fast evolving plasmas. Applied Physics Letters, 2010, 97, .	3.3	24
5	Identification of Live and Dead Bacteria: A Raman Spectroscopic Study. IEEE Access, 2019, 7, 23549-23559.	4.2	24
6	A tryptophan synchronous and normal fluorescence study on bacteria inactivation mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18822-18826.	7.1	18
7	Femtosecond laser induced structural dynamics and melting of Cu (111) single crystal. An ultrafast time-resolved x-ray diffraction study. Journal of Applied Physics, 2017, 121, .	2.5	17
8	Mapping transient electric fields with picosecond electron bunches. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14479-14483.	7.1	16
9	Ultrashort electron pulses as a four-dimensional diagnosis of plasma dynamics. Review of Scientific Instruments, 2010, 81, 103505.	1.3	13
10	Thymine dissociation and dimer formation: A Raman and synchronous fluorescence spectroscopic study. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
11	Laser-induced short-range disorder in aluminum revealed by ultrafast electron diffuse scattering. Applied Physics Letters, 2013, 103, .	3.3	11
12	Investigation of transient surface electric field induced by femtosecond laser irradiation of aluminum. New Journal of Physics, 2014, 16, 103013.	2.9	8
13	Simultaneous investigation of ultrafast structural dynamics and transient electric field by sub-picosecond electron pulses. Journal of Applied Physics, 2014, 115, .	2.5	8
14	Hand-held synchronous scan spectrometer for <i>in situ</i> and immediate detection of live/dead bacteria ratio. Review of Scientific Instruments, 2017, 88, 114301.	1.3	7
15	K-shell x-ray emission enhancement via self-guided propagation of intense laser pulses in Ar clusters. Optics Express, 2009, 17, 16379.	3.4	6
16	Direct observation of ultrafast thermal and non-thermal lattice deformation of polycrystalline aluminum film. Applied Physics Letters, 2017, 111, .	3.3	6
17	Transient lattice deformations of crystals studied by means of ultrafast time-resolved x-ray and electron diffraction. Structural Dynamics, 2018, 5, .	2.3	6
18	The low photo-inactivation rate of bacteria in human plasma II. Inhibition of methylene blue bleaching in plasma and effective bacterial destruction by the addition of dilute acetic acid to human plasma. Photochemical and Photobiological Sciences, 2015, 14, 1880-1887.	2.9	5

#	ARTICLE	IF	CITATIONS
19	Quantum vortices and thermally induced luminescence of nitrogen nanoclusters immersed in liquid helium. <i>Physical Review B</i> , 2017, 95, .	3.2	5
20	Determination of live:dead bacteria as a function of antibiotic treatment. <i>Journal of Microbiological Methods</i> , 2018, 154, 73-78.	1.6	5
21	Room temperature hidden state in a manganite observed by time-resolved X-ray diffraction. <i>Npj Quantum Materials</i> , 2019, 4, .	5.2	2
22	A novel approach for remote detection of bacteria using simple charge-coupled device cameras and telescope. <i>Review of Scientific Instruments</i> , 2020, 91, 074106.	1.3	2
23	Extending Human Vision to Infrared and Ultraviolet Light: A Study Using Micro-Particles and Fluorescent Molecules. <i>IEEE Access</i> , 2020, 8, 73890-73897.	4.2	2
24	Resonance Raman Spectra for the In Situ Identification of Bacteria Strains and Their Inactivation Mechanism. <i>Applied Spectroscopy</i> , 2021, 75, 1146-1154.	2.2	2
25	Carrier emission of n-type gallium nitride illuminated by femtosecond laser pulses. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	1
26	Ultrafast active control of UV light with plasmonic resonance on aluminum nanostripes. <i>Applied Physics Letters</i> , 2018, 112, 191107.	3.3	0
27	Evolution of picosecond surface electric fields generated by photon-induced charge emission from $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ films. <i>Physical Review B</i> , 2020, 102, .		