Peter M Rentzepis

List of Publications by Year
in descending order

33	568	623574	642610
papers	citations	14 h-index	23 g-index

34	34	34	832
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of Bovine and Carp Fish Visual Pigment Photoâ€Intermediates at Room Temperature. Photochemistry and Photobiology, 2022, 98, 1303-1311.	1.3	2
2	Resonance Raman Spectra for the In Situ Identification of Bacteria Strains and Their Inactivation Mechanism. Applied Spectroscopy, 2021, 75, 1146-1154.	1.2	2
3	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, .	3.3	13
4	Cell-phone camera Raman spectrometer. Review of Scientific Instruments, 2021, 92, 054101.	0.6	7
5	A novel approach for remote detection of bacteria using simple charge-coupled device cameras and telescope. Review of Scientific Instruments, 2020, 91, 074106.	0.6	2
6	Extending Human Vision to Infrared and Ultraviolet Light: A Study Using Micro-Particles and Fluorescent Molecules. IEEE Access, 2020, 8, 73890-73897.	2.6	2
7	Evolution of picosecond surface electric fields generated by photon-induced charge emission from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">La</mml:mi><mml:mrow><mml:mn>0.67</mml:mn></mml:mrow></mml:msub><mml:mo>Â</mml:mo><mml:mi mathvariant="normal">Sr</mml:mi><mml:mrow><mml:mn>0.33</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">MnO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> films. Physical Review B, 2020, 102, .	1.1	0
8	Identification of Live and Dead Bacteria: A Raman Spectroscopic Study. IEEE Access, 2019, 7, 23549-23559.	2.6	24
9	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.	3.3	18
10	Ultrafast time-resolved structural changes of thin-film ferromagnetic metal heated with femtosecond optical pulses. Journal of Chemical Physics, 2019, 151, 124702.	1.2	4
11	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.	3.3	45
12	Determination of live:dead bacteria as a function of antibiotic treatment. Journal of Microbiological Methods, 2018, 154, 73-78.	0.7	5
13	Transient lattice deformations of crystals studied by means of ultrafast time-resolved x-ray and electron diffraction. Structural Dynamics, 2018, 5, .	0.9	6
14	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, .	1.1	17
15	Direct observation of ultrafast thermal and non-thermal lattice deformation of polycrystalline aluminum film. Applied Physics Letters, 2017, 111, .	1.5	6
16	Hand-held synchronous scan spectrometer for in situ and immediate detection of live/dead bacteria ratio. Review of Scientific Instruments, 2017, 88, 114301.	0.6	7
17	Carrier emission of n-type gallium nitride illuminated by femtosecond laser pulses. Journal of Applied Physics, 2016, 120, .	1.1	1
18	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.	3.3	48

#	Article	IF	Citations
19	Rationale and mechanism for the low photoinactivation rate of bacteria in plasma. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 33-38.	3.3	32
20	Subpicosecond and Sub-Angstrom Time and Space Studies by Means of Light, X-ray, and Electron Interaction with Matter. Journal of Physical Chemistry Letters, 2014, 5, 225-232.	2.1	8
21	X-ray laser resonator for the kilo-electron-volt range. Applied Physics Letters, 2013, 102, 174101.	1.5	2
22	Laser-Induced Transient Structural Changes in Ag(111) Studied by Time Resolved X-ray Diffraction. Materials Research Society Symposia Proceedings, 2013, 1526, 1.	0.1	0
23	Coherent acoustic wave oscillations and melting on Ag(111) surface by time resolved x-ray diffraction. Applied Physics Letters, 2012, 100, .	1.5	16
24	Ultrafast time resolved x-ray diffraction, extended x-ray absorption fine structure and x-ray absorption near edge structure. Journal of Applied Physics, 2012, 112, 031101.	1.1	27
25	Blast wave and contraction in Au(111) thin film induced by femtosecond laser pulses. A time resolved x-ray diffraction study.. Journal of Applied Physics, 2011, 109, .	1.1	21
26	Time-resolved structural dynamics of thin metal films heated with femtosecond optical pulses. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18887-18892.	3.3	69
27	Time resolved spectroscopic studies of methylene blue and phenothiazine derivatives used for bacteria inactivation. Chemical Physics Letters, 2010, 498, 81-85.	1.2	28
28	Laser Induced Transient Structures in a 150 nm Gold Crystal. Journal of the Chinese Chemical Society, 2007, 54, 1619-1628.	0.8	4
29	Dependence of the fluorescence of a composite photochromic molecule on structure and viscosity. Journal of Materials Chemistry, 2005, 15, 1072.	6.7	24
30	Timeâ€Resolved Extended Xâ€ray Absorption Fine Structure (EXAFS) Studies by Means of an Energy Dispersive Spectrometer. Journal of the Chinese Chemical Society, 2001, 48, 127-132.	0.8	5
31	Synthesis and photochemistry of photochromic fluorescing 2-indolylfulgimides. Journal of Materials Chemistry, 2000, 10, 2477-2482.	6.7	45
32	Lattice Dynamics of Laser-Heated GaAs Crystals by Means of Time-Resolved X-ray Diffraction. Journal of Physical Chemistry A, 1999, 103, 2359-2363.	1.1	14
33	Ultrafast Time-Resolved Transient Structures of Solids and Liquids Studied by Means of X-ray Diffraction and EXAFS. Journal of Physical Chemistry B, 1999, 103, 7081-7091.	1.2	64