

Jia Tianqing

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Coherent Spin Dynamics of Localized Electrons in Monolayer MoS ₂ . Journal of Physical Chemistry Letters, 2022, 13, 2661-2667.	4.6	2
2	Theoretical Study on the Ultrafast Selective Excitation of Surface-Enhanced Coherent Anti-Stokes Raman Scattering Based on Fano Resonance of Disk-Ring Nanostructures by Shaped Femtosecond Laser Pulses. Photonics, 2022, 9, 338.	2.0	0
3	Hole-Acceptor-Manipulated Electron Spin Dynamics in CdSe Colloidal Quantum Dots. Journal of Physical Chemistry Letters, 2021, 12, 2126-2132.	4.6	12
4	100-Trillion-Frame-per-Second Single-Shot Compressed Ultrafast Photography via Molecular Alignment. Physical Review Applied, 2021, 15, .	3.8	6
5	Single-Shot Real-Time Ultrafast Imaging of Femtosecond Laser Fabrication. ACS Photonics, 2021, 8, 738-744.	6.6	37
6	Long-lived electron spin coherence in Ga-doped ZnO at room temperature. Physical Review B, 2021, 103, .	3.2	1
7	Periodic subwavelength ripples on a Si surface induced by a single temporally shaped femtosecond laser pulse: enhanced periodic energy deposition and reduced residual thermal effect. Journal Physics D: Applied Physics, 2021, 54, 385106.	2.8	3
8	Hyperfine-Induced Electron-Spin Dephasing in Negatively Charged Colloidal Quantum Dots: A Survey of Size Dependence. Journal of Physical Chemistry Letters, 2021, 12, 9481-9487.	4.6	7
9	Selective excitation of one among the three peaks of tip-enhanced Raman spectroscopy by a shaped ultrafast laser pulse. Journal of Raman Spectroscopy, 2020, 51, 461-475.	2.5	2
10	Ultrafast dynamics of subwavelength periodic ripples induced by single femtosecond pulse: from noble to common metals. Journal Physics D: Applied Physics, 2020, 53, 285102.	2.8	13
11	Multichannel-coupled compressed ultrafast photography. Journal of Optics (United Kingdom), 2020, 22, 085701.	2.2	12
12	Large-area commercial-grating-quality subwavelength periodic ripples on silicon efficiently fabricated by gentle ablation with femtosecond laser interference via two cylindrical lenses. Optics and Laser Technology, 2020, 131, 106441.	4.6	18
13	Single-Shot Receive-Only Ultrafast Electro-Optical Deflection Imaging. Physical Review Applied, 2020, 13, .	3.8	16
14	Hyperspectrally Compressed Ultrafast Photography. Physical Review Letters, 2020, 124, 023902.	7.8	28
15	Long-Lived Negative Photocharging in Colloidal CdSe Quantum Dots Revealed by Coherent Electron Spin Precession. Journal of Physical Chemistry Letters, 2019, 10, 4994-4999.	4.6	16
16	Origin of Two Larmor Frequencies in the Coherent Spin Dynamics of Colloidal CdSe Quantum Dots Revealed by Controlled Charging. Journal of Physical Chemistry Letters, 2019, 10, 3681-3687.	4.6	24
17	Ultrafast selective excitation of surface-enhanced Raman scattering from a single molecule by shaping pump and Stokes pulses. Journal of Nonlinear Optical Physics and Materials, 2019, 28, 1950025.	1.8	1
18	Selective Excitation on Tip-Enhanced Raman Spectroscopy by Pulse Shaping Femtosecond Laser. Plasmonics, 2019, 14, 523-531.	3.4	10

#	ARTICLE	IF	CITATIONS
19	Theoretical study on narrow Fano resonance of nanocrescent for the label-free detection of single molecules and single nanoparticles. RSC Advances, 2018, 8, 3381-3391.	3.6	13
20	Fano Resonance of Nanocrescent for the Detection of Single Molecules and Single Nanoparticles. Plasmonics, 2018, 13, 1121-1127.	3.4	4
21	Compressed Ultrafast Electron Diffraction Imaging Through Electronic Encoding. Physical Review Applied, 2018, 10, .	3.8	9
22	Ultrafast dynamics of single-pulse femtosecond laser-induced periodic ripples on the surface of a gold film. Physical Review B, 2018, 98, .	3.2	38
23	Compressed 3D Image Information and Communication Security. Advanced Quantum Technologies, 2018, 1, 1800034.	3.9	4
24	Depleted upconversion luminescence in NaYF ₄ :Yb ³⁺ ,Tm ³⁺ nanoparticles via simultaneous two-wavelength excitation. Physical Chemistry Chemical Physics, 2017, 19, 17756-17764.	2.8	35
25	The influences of surface plasmons and thermal effects on femtosecond laser-induced subwavelength periodic ripples on Au film by pump-probe imaging. Journal of Applied Physics, 2017, 121, .	2.5	21
26	Spaser Based on Dark Quadrupolar Mode of a Single Metallic Nanodisk. Plasmonics, 2017, 12, 1983-1990.	3.4	4
27	A low lasing threshold and widely tunable spaser based on two dark surface plasmons. Scientific Reports, 2017, 7, 13590.	3.3	6
28	Observation of up-conversion luminescence polarization control in Sm ³⁺ -doped glass under an intermediate femtosecond laser field. RSC Advances, 2017, 7, 13444-13450.	3.6	2
29	Femtosecond Laser-Induced Upconversion Luminescence in Rare-Earth Ions by Nonresonant Multiphoton Absorption. Journal of Physical Chemistry A, 2016, 120, 5522-5526.	2.5	11
30	Enhancing field-free molecular alignment by a polynomial phase modulation. European Physical Journal D, 2016, 70, 1.	1.3	0
31	Enhancing up-conversion luminescence of Er ³⁺ /Yb ³⁺ -codoped glass by two-color laser field excitation. RSC Advances, 2016, 6, 3440-3445.	3.6	19
32	Improving upconversion luminescence efficiency in Er ³⁺ -doped NaYF ₄ nanocrystals by two-color laser field. Journal of Materials Science, 2016, 51, 5460-5468.	3.7	20
33	Realizing up-conversion fluorescence tuning in lanthanide-doped nanocrystals by femtosecond pulse shaping method. Scientific Reports, 2015, 5, 13337.	3.3	15
34	Upconversion properties and mechanisms in Er ³⁺ ions upon 800 nm excitation. , 2015, , .		0
35	Laser polarization and phase control of up-conversion fluorescence in rare-earth ions. Scientific Reports, 2015, 4, 7295.	3.3	19
36	Dissociative ionization and Coulomb explosion of ethyl bromide under a near-infrared intense femtosecond laser field. RSC Advances, 2015, 5, 37078-37084.	3.6	3

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37	Realizing Ultrafast Electron Pulse Self-Compression by Femtosecond Pulse Shaping Technique. Journal of Physical Chemistry Letters, 2015, 6, 3867-3872.	4.6	8
38	Effect of two-color laser pulse intensity ratio on intense terahertz generation. RSC Advances, 2015, 5, 1485-1490.	3.6	8
39	Super resolution direct laser writing in ITX resist inspired by STED microscopy. Journal of Nonlinear Optical Physics and Materials, 2014, 23, 1450015.	1.8	1
40	Infrared femtosecond laser-induced great enhancement of ultraviolet luminescence of ZnO two-dimensional nanostructures. Applied Physics A: Materials Science and Processing, 2014, 117, 1923-1932.	2.3	4
41	Single and two-photon fluorescence control of Er ³⁺ ions by phase-shaped femtosecond laser pulse. Applied Physics Letters, 2014, 104, 014101.	3.3	16
42	Photodissociation of Br ₂ molecules in an intense femtosecond laser field. Physical Review A, 2014, 90, .	2.5	7
43	Coherent quantum control of green emission in Er ³⁺ -doped glass by π -phase-shaped ultrashort laser pulses. Physical Review A, 2014, 89, .	2.5	3
44	Hole Surface Trapping Dynamics Directly Monitored by Electron Spin Manipulation in CdS Nanocrystals. Journal of Physical Chemistry Letters, 2014, 5, 4310-4316.	4.6	24
45	Fabrication of gold micro/nanostructures by femtosecond laser direct writing and chemical etching. Journal of Nonlinear Optical Physics and Materials, 2014, 23, 1450048.	1.8	2
46	Manipulation of cross-linked micro/nanopatterns on ZnO by adjusting the femtosecond-laser polarizations of four-beam interference. Applied Physics A: Materials Science and Processing, 2014, 114, 1333-1338.	2.3	5
47	Effect of laser spectral bandwidth on coherent control of resonance-enhanced multiphoton-ionization photoelectron spectroscopy. Journal of Chemical Physics, 2014, 140, 084312.	3.0	1
48	Coulomb explosion and dissociative ionization of 1,2-dibromoethane under an intense femtosecond laser field. RSC Advances, 2014, 4, 45300-45305.	3.6	7
49	Enhancing molecular orientation by combining electrostatic and four-color laser fields. Physical Review A, 2014, 90, .	2.5	7
50	High Tunability Multipolar Fano Resonances in Dual-Ring/Disk Cavities. Plasmonics, 2014, 9, 1251-1256.	3.4	10
51	Manipulating field-free molecular alignment by \sqrt{V} -shaped femtosecond laser pulses. Physical Review A, 2014, 89, .	2.5	17
52	High-resolution resonance-enhanced multiphoton-ionization photoelectron spectroscopy of Rydberg states via spectral phase step shaping. RSC Advances, 2013, 3, 12185.	3.6	2
53	Resonance-enhanced multiphoton-ionization photoelectron spectroscopy by a rectangular amplitude modulation. Physical Review A, 2013, 87, .	2.5	2
54	Great enhancement of near band-edge emission of ZnSe two-dimensional complex nanostructures fabricated by the interference of three femtosecond laser beams. Journal of Applied Physics, 2013, 114, .	2.5	6

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55	Coherent phase control of resonance-mediated two-photon absorption in rare-earth ions. Applied Physics Letters, 2013, 103, 194104.	3.3	15
56	Room-Temperature Electron Spin Generation by Femtosecond Laser Pulses in Colloidal CdS Quantum Dots. Materials, 2013, 6, 4523-4531.	2.9	9
57	Quantum control of femtosecond resonance-enhanced multiphoton-ionization photoelectron spectroscopy. Physical Review A, 2013, 88, .	2.5	2
58	NON-RESONANT TWO-PHOTON ABSORPTION CONTROL BY TWO TIME-DELAYED LASER PULSES. Journal of Nonlinear Optical Physics and Materials, 2013, 22, 1350008.	1.8	3
59	Selective excitation of resonance-enhanced multiphoton-ionization photoelectron spectroscopy via a cubic phase modulation. Physical Review A, 2012, 86, .	2.5	8
60	Field-free molecular alignment by shaping femtosecond laser pulse with cubic phase modulation. Physical Review A, 2011, 84, .	2.5	29
61	Field-free molecular orientation by a multicolor laser field. Physical Review A, 2011, 83, .	2.5	35
62	Precise control of state-selective excitation in stimulated Raman scattering. Physical Review A, 2010, 82, .	2.5	9
63	Fabrication of two-dimensional periodic nanostructures by two-beam interference of femtosecond pulses. Optics Express, 2008, 16, 1874.	3.4	56