

Jia Tianqing

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5983024/publications.pdf>

Version: 2024-02-01

63
papers

727
citations

516710

16
h-index

642732

23
g-index

63
all docs

63
docs citations

63
times ranked

596
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of two-dimensional periodic nanostructures by two-beam interference of femtosecond pulses. <i>Optics Express</i> , 2008, 16, 1874.	3.4	56
2	Ultrafast dynamics of single-pulse femtosecond laser-induced periodic ripples on the surface of a gold film. <i>Physical Review B</i> , 2018, 98, .	3.2	38
3	Single-Shot Real-Time Ultrafast Imaging of Femtosecond Laser Fabrication. <i>ACS Photonics</i> , 2021, 8, 738-744.	6.6	37
4	Field-free molecular orientation by a multicolor laser field. <i>Physical Review A</i> , 2011, 83, .	2.5	35
5	Depleted upconversion luminescence in $\text{NaYF}_4:\text{Yb}^{3+}, \text{Tm}^{3+}$ nanoparticles via simultaneous two-wavelength excitation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17756-17764.	2.8	35
6	Field-free molecular alignment by shaping femtosecond laser pulse with cubic phase modulation. <i>Physical Review A</i> , 2011, 84, .	2.5	29
7	Hyperspectrally Compressed Ultrafast Photography. <i>Physical Review Letters</i> , 2020, 124, 023902.	7.8	28
8	Hole Surface Trapping Dynamics Directly Monitored by Electron Spin Manipulation in CdS Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4310-4316.	4.6	24
9	Origin of Two Larmor Frequencies in the Coherent Spin Dynamics of Colloidal CdSe Quantum Dots Revealed by Controlled Charging. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3681-3687.	4.6	24
10	The influences of surface plasmons and thermal effects on femtosecond laser-induced subwavelength periodic ripples on Au film by pump-probe imaging. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	21
11	Improving upconversion luminescence efficiency in Er^{3+} -doped NaYF_4 nanocrystals by two-color laser field. <i>Journal of Materials Science</i> , 2016, 51, 5460-5468.	3.7	20
12	Laser polarization and phase control of up-conversion fluorescence in rare-earth ions. <i>Scientific Reports</i> , 2015, 4, 7295.	3.3	19
13	Enhancing up-conversion luminescence of $\text{Er}^{3+}/\text{Yb}^{3+}$ -codoped glass by two-color laser field excitation. <i>RSC Advances</i> , 2016, 6, 3440-3445.	3.6	19
14	Large-area commercial-grating-quality subwavelength periodic ripples on silicon efficiently fabricated by gentle ablation with femtosecond laser interference via two cylindrical lenses. <i>Optics and Laser Technology</i> , 2020, 131, 106441.	4.6	18
15	Manipulating field-free molecular alignment by \sqrt{V} -shaped femtosecond laser pulses. <i>Physical Review A</i> , 2014, 89, .	2.5	17
16	Single and two-photon fluorescence control of Er^{3+} ions by phase-shaped femtosecond laser pulse. <i>Applied Physics Letters</i> , 2014, 104, 014101.	3.3	16
17	Long-Lived Negative Photocharging in Colloidal CdSe Quantum Dots Revealed by Coherent Electron Spin Precession. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4994-4999.	4.6	16
18	Single-Shot Receive-Only Ultrafast Electro-Optical Deflection Imaging. <i>Physical Review Applied</i> , 2020, 13, .	3.8	16

#	ARTICLE	IF	CITATIONS
19	Coherent phase control of resonance-mediated two-photon absorption in rare-earth ions. <i>Applied Physics Letters</i> , 2013, 103, 194104.	3.3	15
20	Realizing up-conversion fluorescence tuning in lanthanide-doped nanocrystals by femtosecond pulse shaping method. <i>Scientific Reports</i> , 2015, 5, 13337.	3.3	15
21	Theoretical study on narrow Fano resonance of nanocrescent for the label-free detection of single molecules and single nanoparticles. <i>RSC Advances</i> , 2018, 8, 3381-3391.	3.6	13
22	Ultrafast dynamics of subwavelength periodic ripples induced by single femtosecond pulse: from noble to common metals. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 285102.	2.8	13
23	Multichannel-coupled compressed ultrafast photography. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 085701.	2.2	12
24	Hole-Acceptor-Manipulated Electron Spin Dynamics in CdSe Colloidal Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2126-2132.	4.6	12
25	Femtosecond Laser-Induced Upconversion Luminescence in Rare-Earth Ions by Nonresonant Multiphoton Absorption. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5522-5526.	2.5	11
26	High Tunability Multipolar Fano Resonances in Dual-Ring/Disk Cavities. <i>Plasmonics</i> , 2014, 9, 1251-1256.	3.4	10
27	Selective Excitation on Tip-Enhanced Raman Spectroscopy by Pulse Shaping Femtosecond Laser. <i>Plasmonics</i> , 2019, 14, 523-531.	3.4	10
28	Precise control of state-selective excitation in stimulated Raman scattering. <i>Physical Review A</i> , 2010, 82, .	2.5	9
29	Room-Temperature Electron Spin Generation by Femtosecond Laser Pulses in Colloidal CdS Quantum Dots. <i>Materials</i> , 2013, 6, 4523-4531.	2.9	9
30	Compressed Ultrafast Electron Diffraction Imaging Through Electronic Encoding. <i>Physical Review Applied</i> , 2018, 10, .	3.8	9
31	Selective excitation of resonance-enhanced multiphoton-ionization photoelectron spectroscopy via a cubic phase modulation. <i>Physical Review A</i> , 2012, 86, .	2.5	8
32	Realizing Ultrafast Electron Pulse Self-Compression by Femtosecond Pulse Shaping Technique. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3867-3872.	4.6	8
33	Effect of two-color laser pulse intensity ratio on intense terahertz generation. <i>RSC Advances</i> , 2015, 5, 1485-1490.	3.6	8
34	Photodissociation of Br ₂ molecules in an intense femtosecond laser field. <i>Physical Review A</i> , 2014, 90, .	2.5	7
35	Coulomb explosion and dissociative ionization of 1,2-dibromoethane under an intense femtosecond laser field. <i>RSC Advances</i> , 2014, 4, 45300-45305.	3.6	7
36	Enhancing molecular orientation by combining electrostatic and four-color laser fields. <i>Physical Review A</i> , 2014, 90, .	2.5	7

#	ARTICLE	IF	CITATIONS
37	Hyperfine-Induced Electron-Spin Dephasing in Negatively Charged Colloidal Quantum Dots: A Survey of Size Dependence. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9481-9487.	4.6	7
38	Great enhancement of near band-edge emission of ZnSe two-dimensional complex nanostructures fabricated by the interference of three femtosecond laser beams. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	6
39	A low lasing threshold and widely tunable spaser based on two dark surface plasmons. <i>Scientific Reports</i> , 2017, 7, 13590.	3.3	6
40	100-Trillion-Frame-per-Second Single-Shot Compressed Ultrafast Photography via Molecular Alignment. <i>Physical Review Applied</i> , 2021, 15, .	3.8	6
41	Manipulation of cross-linked micro/nanopatterns on ZnO by adjusting the femtosecond-laser polarizations of four-beam interference. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 1333-1338.	2.3	5
42	Infrared femtosecond laser-induced great enhancement of ultraviolet luminescence of ZnO two-dimensional nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1923-1932.	2.3	4
43	Spaser Based on Dark Quadrupolar Mode of a Single Metallic Nanodisk. <i>Plasmonics</i> , 2017, 12, 1983-1990.	3.4	4
44	Fano Resonance of Nanocrescent for the Detection of Single Molecules and Single Nanoparticles. <i>Plasmonics</i> , 2018, 13, 1121-1127.	3.4	4
45	Compressed 3D Image Information and Communication Security. <i>Advanced Quantum Technologies</i> , 2018, 1, 1800034.	3.9	4
46	NON-RESONANT TWO-PHOTON ABSORPTION CONTROL BY TWO TIME-DELAYED LASER PULSES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2013, 22, 1350008.	1.8	3
47	Coherent quantum control of green emission in Er ³⁺ -doped glass by π -phase-shaped ultrashort laser pulses. <i>Physical Review A</i> , 2014, 89, .	2.5	3
48	Dissociative ionization and Coulomb explosion of ethyl bromide under a near-infrared intense femtosecond laser field. <i>RSC Advances</i> , 2015, 5, 37078-37084.	3.6	3
49	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. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 385106.	2.8	3
50	High-resolution resonance-enhanced multiphoton-ionization photoelectron spectroscopy of Rydberg states via spectral phase step shaping. <i>RSC Advances</i> , 2013, 3, 12185.	3.6	2
51	Resonance-enhanced multiphoton-ionization photoelectron spectroscopy by a rectangular amplitude modulation. <i>Physical Review A</i> , 2013, 87, .	2.5	2
52	Quantum control of femtosecond resonance-enhanced multiphoton-ionization photoelectron spectroscopy. <i>Physical Review A</i> , 2013, 88, .	2.5	2
53	Fabrication of gold micro/nanostructures by femtosecond laser direct writing and chemical etching. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450048.	1.8	2
54	Observation of up-conversion luminescence polarization control in Sm ³⁺ -doped glass under an intermediate femtosecond laser field. <i>RSC Advances</i> , 2017, 7, 13444-13450.	3.6	2

#	ARTICLE	IF	CITATIONS
55	Selective excitation of one among the three peaks of tip-enhanced Raman spectroscopy by a shaped ultrafast laser pulse. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 461-475.	2.5	2
56	Coherent Spin Dynamics of Localized Electrons in Monolayer MoS ₂ . <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2661-2667.	4.6	2
57	Super resolution direct laser writing in ITX resist inspired by STED microscopy. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450015.	1.8	1
58	Effect of laser spectral bandwidth on coherent control of resonance-enhanced multiphoton-ionization photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2014, 140, 084312.	3.0	1
59	Ultrafast selective excitation of surface-enhanced Raman scattering from a single molecule by shaping pump and Stokes pulses. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2019, 28, 1950025.	1.8	1
60	Long-lived electron spin coherence in Ga-doped ZnO at room temperature. <i>Physical Review B</i> , 2021, 103, .	3.2	1
61	Upconversion properties and mechanisms in Er ³⁺ ions upon 800 nm excitation. , 2015, , .		0
62	Enhancing field-free molecular alignment by a polynomial phase modulation. <i>European Physical Journal D</i> , 2016, 70, 1.	1.3	0
63	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. <i>Photonics</i> , 2022, 9, 338.	2.0	0