

Miaochan Zhi

List of Publications by Year in descending order

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34
papers

700
citations

933447

10
h-index

677142

22
g-index

34
all docs

34
docs citations

34
times ranked

456
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing the Laser-Pulse Configuration for Coherent Raman Spectroscopy. <i>Science</i> , 2007, 316, 265-268.	12.6	308
2	Broadband coherent light generation in a Raman-active crystal driven by two-color femtosecond laser pulses. <i>Optics Letters</i> , 2007, 32, 2251.	3.3	58
3	Broadband coherent light generation in diamond driven by femtosecond pulses. <i>Optics Express</i> , 2008, 16, 12139.	3.4	54
4	Visible and UV coherent Raman spectroscopy of dipicolinic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14976-14981.	7.1	51
5	Broadband generation in a Raman crystal driven by a pair of time-delayed linearly chirped pulses. <i>New Journal of Physics</i> , 2008, 10, 025032.	2.9	41
6	Femtosecond CARS of methanol-water mixtures. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 392-396.	2.5	40
7	Generation of femtosecond optical vortices by molecular modulation in a Raman-active crystal. <i>Optics Express</i> , 2013, 21, 27750.	3.4	18
8	Topological charge algebra of optical vortices in nonlinear interactions. <i>Optics Express</i> , 2015, 23, 34109.	3.4	18
9	Discrimination of dipicolinic acid and its interferents by femtosecond coherent Raman spectroscopy. <i>Journal of Applied Physics</i> , 2006, 100, 124912.	2.5	15
10	Toward Single-Cycle Pulse Generation in Raman-Active Crystals. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 460-466.	2.9	13
11	Concentration dependence of femtosecond coherent anti-Stokes Raman scattering in the presence of strong absorption. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1181.	2.1	10
12	Shaper-assisted phase optimization of a broad "holey" spectrum. <i>Optics Express</i> , 2011, 19, 23400.	3.4	10
13	Heterodyne coherent anti-Stokes Raman scattering for spectral phase retrieval and signal amplification. <i>Optics Letters</i> , 2010, 35, 721.	3.3	9
14	Broadband light generation using a relatively weak Raman mode in lead tungstate crystal. <i>Journal of Modern Optics</i> , 2010, 57, 1863-1866.	1.3	9
15	Generation of octave-spanning supercontinuum by Raman-assisted four-wave mixing in single-crystal diamond. <i>Optics Express</i> , 2014, 22, 4075.	3.4	9
16	Glucose concentration measured by the hybrid coherent anti-Stokes Raman-scattering technique. <i>Physical Review A</i> , 2010, 81, .	2.5	8
17	Coherent broadband light generation with a double-path configuration. <i>Applied Optics</i> , 2014, 53, 2866.	1.8	6
18	Ultrafast waveform synthesis and characterization using coherent Raman sidebands in a reflection scheme. <i>Optics Express</i> , 2014, 22, 21411.	3.4	5

#	ARTICLE	IF	CITATIONS
19	Coherent anti-Stokes Raman spectroscopy utilizing phase mismatched cascaded quadratic optical interactions in nonlinear crystals. <i>Optics Express</i> , 2013, 21, 31960.	3.4	4
20	Multicolored Femtosecond Pulse Synthesis Using Coherent Raman Sidebands in a Reflection Scheme. <i>Applied Sciences (Switzerland)</i> , 2015, 5, 145-156.	2.5	4
21	Efficient Broadband Raman Generation in Crystals Driven by Dual-Frequency Femtosecond Laser Fields. , 2007, , .		3
22	Nonresonant background suppression in coherent anti-Stokes Raman spectroscopy through cascaded nonlinear optical interactions. <i>Optics Letters</i> , 2013, 38, 1551.	3.3	3
23	Tracking molecular wave packets in cesium dimers by coherent Raman scattering. <i>Physical Review A</i> , 2012, 86, .	2.5	2
24	Coherent Raman Generation in Solid-State Materials Using Spatial and Temporal Laser Field Shaping. , 2018, , 395-420.		2
25	Nuclear collisions in heteronuclear molecules driven by an ultrastrong laser field. , 2006, , .		0
26	Detection of <i>B. subtilis</i> spores via Hybrid CARS. , 2007, , .		0
27	Detection of <i>B. subtilis</i> spores via hybrid CARS. , 2007, , .		0
28	Hybrid of Frequency and Time Resolved CARS. , 2007, , .		0
29	Broadband Light Generation in Raman-active Crystals Driven by Femtosecond Laser Fields. , 0, , .		0
30	Beam Shaping and Production of Vortex Beams in Coherent Raman Generation. , 2015, , .		0
31	Efficient Broadband Raman Generation in Diamond Driven by multi-frequency femtosecond pulses. , 2009, , .		0
32	Toward single-cycle pulse generation in single-crystal diamond. , 2010, , .		0
33	Pulse-shaper-assisted phase optimization of an ultrabroadband spectral comb. , 2011, , .		0
34	Generation of femtosecond optical vortices by molecular modulation in a Raman-active crystal. , 2013, , .		0