

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	Coherent Raman Generation in Solid-State Materials Using Spatial and Temporal Laser Field Shaping. , 2018, , 395-420.		2
2	Topological charge algebra of optical vortices in nonlinear interactions. Optics Express, 2015, 23, 34109.	3.4	18
3	Multicolored Femtosecond Pulse Synthesis Using Coherent Raman Sidebands in a Reflection Scheme. Applied Sciences (Switzerland), 2015, 5, 145-156.	2.5	4
4	Beam Shaping and Production of Vortex Beams in Coherent Raman Generation. , 2015, , .		0
5	Generation of octave-spanning supercontinuum by Raman-assisted four-wave mixing in single-crystal diamond. Optics Express, 2014, 22, 4075.	3.4	9
6	Coherent broadband light generation with a double-path configuration. Applied Optics, 2014, 53, 2866.	1.8	6
7	Ultrafast waveform synthesis and characterization using coherent Raman sidebands in a reflection scheme. Optics Express, 2014, 22, 21411.	3.4	5
8	Nonresonant background suppression in coherent anti-Stokes Raman spectroscopy through cascaded nonlinear optical interactions. Optics Letters, 2013, 38, 1551.	3.3	3
9	Generation of femtosecond optical vortices by molecular modulation in a Raman-active crystal. Optics Express, 2013, 21, 27750.	3.4	18
10	Coherent anti-Stokes Raman spectroscopy utilizing phase mismatched cascaded quadratic optical interactions in nonlinear crystals. Optics Express, 2013, 21, 31960.	3.4	4
11	Generation of femtosecond optical vortices by molecular modulation in a Raman-active crystal. , 2013, , .		0
12	Tracking molecular wave packets in cesium dimers by coherent Raman scattering. Physical Review A, 2012, 86, .	2.5	2
13	Toward Single-Cycle Pulse Generation in Raman-Active Crystals. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 460-466.	2.9	13
14	Shaper-assisted phase optimization of a broad "holey" spectrum. Optics Express, 2011, 19, 23400.	3.4	10
15	Pulse-shaper-assisted phase optimization of an ultrabroadband spectral comb. , 2011, , .		0
16	Glucose concentration measured by the hybrid coherent anti-Stokes Raman-scattering technique. Physical Review A, 2010, 81, .	2.5	8
17	Heterodyne coherent anti-Stokes Raman scattering for spectral phase retrieval and signal amplification. Optics Letters, 2010, 35, 721.	3.3	9
18	Broadband light generation using a relatively weak Raman mode in lead tungstate crystal. Journal of Modern Optics, 2010, 57, 1863-1866.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Toward single-cycle pulse generation in single-crystal diamond. , 2010, , .		0
20	Efficient Broadband Raman Generation in Diamond Driven by multi-frequency femtosecond pulses. , 2009, , .		0
21	Broadband generation in a Raman crystal driven by a pair of time-delayed linearly chirped pulses. New Journal of Physics, 2008, 10, 025032.	2.9	41
22	Broadband coherent light generation in diamond driven by femtosecond pulses. Optics Express, 2008, 16, 12139.	3.4	54
23	Detection of B. subtilis spores via Hybrid CARS. , 2007, , .		0
24	Detection of B. subtilis spores via hybrid CARS. , 2007, , .		0
25	Hybrid of Frequency and Time Resolved CARS. , 2007, , .		0
26	Optimizing the Laser-Pulse Configuration for Coherent Raman Spectroscopy. Science, 2007, 316, 265-268.	12.6	308
27	Broadband coherent light generation in a Raman-active crystal driven by two-color femtosecond laser pulses. Optics Letters, 2007, 32, 2251.	3.3	58
28	Concentration dependence of femtosecond coherent anti-Stokes Raman scattering in the presence of strong absorption. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1181.	2.1	10
29	Efficient Broadband Raman Generation in Crystals Driven by Dual-Frequency Femtosecond Laser Fields. , 2007, , .		3
30	Femtosecond CARS of methanol-water mixtures. Journal of Raman Spectroscopy, 2006, 37, 392-396.	2.5	40
31	Discrimination of dipicolinic acid and its interferents by femtosecond coherent Raman spectroscopy. Journal of Applied Physics, 2006, 100, 124912.	2.5	15
32	Nuclear collisions in heteronuclear molecules driven by an ultrastrong laser field. , 2006, , .		0
33	Visible and UV coherent Raman spectroscopy of dipicolinic acid. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14976-14981.	7.1	51
34	Broadband Light Generation in Raman-active Crystals Driven by Femtosecond Laser Fields. , 0, , .		0