

Guoyang Yu

List of Publications by Year in descending order

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13
papers

125
citations

1478505

6
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualizing Intramolecular Vibrational Redistribution in Cyclotrimethylene Trinitramine (RDX) Crystals by Multiplex Coherent Anti-Stokes Raman Scattering. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2565-2571.	2.5	23
2	A comparative study of 1,3,5-Trinitroperhydro-1,3,5-triazine (RDX) and Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) under high pressures using Raman spectroscopy and DFT calculations. <i>Journal of Molecular Structure</i> , 2016, 1119, 240-249.	3.6	17
3	Tracking Intramolecular Vibrational Redistribution in Polyatomic Small-Molecule Liquids by Ultrafast Time-Resolved Frequency-Resolved CARS. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4948-4952.	2.5	17
4	The characteristics of laser-driven shock wave investigated by time-resolved Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 345-348.	2.5	15
5	Vibrational dynamics of nitromethane mixed with IR780 dye studied by coherent anti-stokes Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1213-1219.	2.5	12
6	Shock induced damage and damage threshold of optical K9 glass investigated by laser-driven shock wave. <i>Journal of Applied Physics</i> , 2011, 109, 073103.	2.5	11
7	Investigation of laser induced breakdown in liquid nitromethane using nanosecond shadowgraphy. <i>Journal of Applied Physics</i> , 2016, 120, 123301.	2.5	6
8	Shock-driven electron redistribution studies of triamino trinitrobenzene using time-resolved Raman spectroscopy and first-principle calculation. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 2007-2015.	2.5	6
9	Observation of laser-driven shock propagation by nanosecond time-resolved Raman spectroscopy. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	5
10	Time-resolved Raman spectroscopy for shock-driven intramolecular electron redistribution of cyclotrimethylene trinitramine (RDX). <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1645-1651.	2.5	5
11	<i>Ab initio</i> molecular dynamics simulation of vibrational energy redistribution of selective excitation of C-H stretching vibrations for solid nitromethane. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20822-20828.	2.8	5
12	Coherent coupling of vibrational states in the MEH-PPV film investigated through Multi-Color Photon Echo. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1020-1023.	5.1	2
13	Investigation of temperature effect on pressure measurement using Raman peak shift by variable temperature and pressure Raman experiment. <i>Journal of Raman Spectroscopy</i> , 0, , .	2.5	1