

Peter C Chen

List of Publications by Year in descending order

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20
papers

209
citations

1163117

8
h-index

1058476

14
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21
all docs

21
docs citations

21
times ranked

121
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical Foundations for a New Family of Infrared Four-Wave Mixing Spectroscopies. <i>Applied Spectroscopy</i> , 1997, 51, 949-958.	2.2	43
2	An Introduction to Coherent Multidimensional Spectroscopy. <i>Applied Spectroscopy</i> , 2016, 70, 1937-1951.	2.2	17
3	Peak Separation and Sorting by Coherent 2D Resonance Raman Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 5467-5473.	6.5	16
4	High Resolution Coherent 2D Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11365-11375.	2.5	16
5	Two-Dimensional Coherent Double Resonance Electronic Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2008, 112, 2999-3001.	2.5	15
6	Vibrational and Vibronic Processes in Coherent 2D Resonance Raman Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7989-7993.	2.5	13
7	High-Resolution Coherent Three-Dimensional Spectroscopy of Br ₂ . <i>Journal of Physical Chemistry A</i> , 2013, 117, 5981-5986.	2.5	12
8	Multiplex coherent anti-Stokes Raman spectroscopy by use of a nearly degenerate broadband optical parametric oscillator. <i>Applied Optics</i> , 1999, 38, 5894.	2.1	9
9	Gas Chromatography- ² Multiplex Coherent Raman Spectroscopy. <i>Analytical Chemistry</i> , 2003, 75, 3066-3072.	6.5	9
10	Analysis of polyatomic molecules using high resolution coherent two-dimensional spectroscopy: Application to nitrogen dioxide. <i>Journal of Chemical Physics</i> , 2008, 129, 194301.	3.0	9
11	Rotational and Vibrational Pattern Interpretation for High-Resolution Coherent 3D Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6846-6857.	2.5	9
12	High resolution coherent three dimensional spectroscopy of NO ₂ . <i>Journal of Chemical Physics</i> , 2015, 142, 212426.	3.0	9
13	Spectral diffusion within the porous silicon emission wavelength range on the nanosecond to millisecond time scale. <i>Journal of Applied Physics</i> , 1997, 82, 836-839.	2.5	7
14	Improved Scanning Range for Coherent Anti-Stokes Raman Spectroscopy Using a Tunable Optical Parametric Oscillator. <i>Analytical Chemistry</i> , 1996, 68, 3068-3071.	6.5	6
15	High-Speed High-Resolution Gas-Phase Raman Spectroscopy. <i>Analytical Chemistry</i> , 2002, 74, 1618-1623.	6.5	6
16	Coherent 2D Resonance Raman Spectroscopy as a tool for studying molecular structure. <i>Journal of Molecular Structure</i> , 2006, 799, 23-27.	3.6	4
17	Nonparametric High-Resolution Coherent 3D Spectroscopy as a Simple and Rapid Method for Obtaining Excited-State Rotational Constants. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8794-8801.	2.5	3
18	High-Speed Gas Chromatography- ² Multiplex Coherent Raman Analysis of BTEX. <i>Applied Spectroscopy</i> , 2005, 59, 1310-1314.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Two-dimensional pattern recognition methods for rapidly recording and interpreting high resolution coherent three-dimensional spectra. <i>Journal of Chemical Physics</i> , 2021, 154, 194201.	3.0	2
20	Proof and Use of the Method of Combination Differences for Analyzing High-Resolution Coherent Multidimensional Spectra. <i>Mathematics</i> , 2020, 8, 44.	2.2	2