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 g-index
21 all docs	21 docs citations	21 times ranked	121 citing authors

#	Article	IF	Citations
1	Two-dimensional pattern recognition methods for rapidly recording and interpreting high resolution coherent three-dimensional spectra. Journal of Chemical Physics, 2021, 154, 194201.	3.0	2
2	Proof and Use of the Method of Combination Differences for Analyzing High-Resolution Coherent Multidimensional Spectra. Mathematics, 2020, 8, 44.	2.2	2
3	Nonparametric High-Resolution Coherent 3D Spectroscopy as a Simple and Rapid Method for Obtaining Excited-State Rotational Constants. Journal of Physical Chemistry A, 2018, 122, 8794-8801.	2.5	3
4	An Introduction to Coherent Multidimensional Spectroscopy. Applied Spectroscopy, 2016, 70, 1937-1951.	2.2	17
5	High resolution coherent three dimensional spectroscopy of NO2. Journal of Chemical Physics, 2015, 142, 212426.	3.0	9
6	Rotational and Vibrational Pattern Interpretation for High-Resolution Coherent 3D Spectroscopy. Journal of Physical Chemistry A, 2014, 118, 6846-6857.	2.5	9
7	High-Resolution Coherent Three-Dimensional Spectroscopy of Br₂. Journal of Physical Chemistry A, 2013, 117, 5981-5986.	2.5	12
8	High Resolution Coherent 2D Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 11365-11375.	2.5	16
9	Two-Dimensional Coherent Double Resonance Electronic Spectroscopy. Journal of Physical Chemistry A, 2008, 112, 2999-3001.	2.5	15
10	Analysis of polyatomic molecules using high resolution coherent two-dimensional spectroscopy: Application to nitrogen dioxide. Journal of Chemical Physics, 2008, 129, 194301.	3.0	9
11	Vibrational and Vibronic Processes in Coherent 2D Resonance Raman Spectroscopy. Journal of Physical Chemistry A, 2006, 110, 7989-7993.	2.5	13
12	Coherent 2D Resonance Raman Spectroscopy as a tool for studying molecular structure. Journal of Molecular Structure, 2006, 799, 23-27.	3.6	4
13	Peak Separation and Sorting by Coherent 2D Resonance Raman Spectroscopy. Analytical Chemistry, 2005, 77, 5467-5473.	6.5	16
14	High-Speed Gas Chromatographyâ€"Multiplex Coherent Raman Analysis of BTEX. Applied Spectroscopy, 2005, 59, 1310-1314.	2.2	2
15	Gas Chromatographyâ"Multiplex Coherent Raman Spectroscopy. Analytical Chemistry, 2003, 75, 3066-3072.	6.5	9
16	High-Speed High-Resolution Gas-Phase Raman Spectroscopy. Analytical Chemistry, 2002, 74, 1618-1623.	6.5	6
17	Multiplex coherent anti-Stokes Raman spectroscopy by use of a nearly degenerate broadband optical parametric oscillator. Applied Optics, 1999, 38, 5894.	2.1	9
18	Spectral diffusion within the porous silicon emission wavelength range on the nanosecond to millisecond time scale. Journal of Applied Physics, 1997, 82, 836-839.	2.5	7

#	Article	IF	Citations
19	Theoretical Foundations for a New Family of Infrared Four-Wave Mixing Spectroscopies. Applied Spectroscopy, 1997, 51, 949-958.	2.2	43
20	Improved Scanning Range for Coherent Anti-Stokes Raman Spectroscopy Using a Tunable Optical Parametric Oscillator. Analytical Chemistry, 1996, 68, 3068-3071.	6.5	6