

Vincent W Couling

List of Publications by Year in descending order

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16
papers

165
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1162889

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208
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultraviolet Resonance Raman Study of Drug Binding in Dihydrofolate Reductase, Gyrase, and Catechol O-Methyltransferase. <i>Biophysical Journal</i> , 1998, 75, 1097-1106.	0.2	28
2	Measurement of the electric quadrupole moment of N ₂ O. <i>Journal of Chemical Physics</i> , 2011, 134, 144307.	1.2	28
3	Measurement of the electric quadrupole moments of CO ₂ and OCS. <i>Molecular Physics</i> , 2011, 109, 655-666.	0.8	24
4	Measurement of the electric quadrupole moment of CO. <i>Journal of Chemical Physics</i> , 2011, 134, 164307.	1.2	15
5	The electric quadrupole moment of O ₂ . <i>Chemical Physics Letters</i> , 2014, 614, 41-44.	1.2	15
6	Anisotropic Molecular Polarizabilities of HCHO, CH ₃ CHO, and CH ₃ COCH ₃ . Rayleigh Depolarization Ratios of HCHO and CH ₃ CHO and First and Second Kerr Virial Coefficients of CH ₃ COCH ₃ . <i>Journal of Physical Chemistry A</i> , 2001, 105, 4365-4370.	1.1	13
7	Ultraviolet Resonance Raman Spectroscopic Study of the Average Environment of Tyrosine in Native and Denatured Barnase. <i>Journal of Raman Spectroscopy</i> , 1997, 28, 33-38.	1.2	9
8	Calculation and measurement of the second light-scattering virial coefficients of nonlinear molecules: a study of ethene. <i>Molecular Physics</i> , 1996, 87, 779-799.	0.8	8
9	Higher-order dipole-dipole, dipole-quadrupole and field gradient contributions to the second light-scattering virial coefficient. <i>Molecular Physics</i> , 1993, 79, 859-867.	0.8	7
10	Measurement and interpretation of the second light-scattering virial coefficients of linear and quasi-linear molecules. <i>Molecular Physics</i> , 1994, 82, 235-244.	0.8	7
11	Calculation of second Kerr effect virial coefficients of H ₂ S. <i>Molecular Physics</i> , 2000, 98, 135-138.	0.8	3
12	Hyperpolarizability dispersion measured for (CH ₃) ₂ O. <i>Journal of Chemical Physics</i> , 2015, 143, 224307.	1.2	3
13	Depolarized interaction-induced Rayleigh light scattering in gaseous SO ₂ . <i>Molecular Physics</i> , 1999, 96, 921-925.	0.8	2
14	Calculation and measurement of the second light-scattering virial coefficient of (CH ₃) ₂ O. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4551-4554.	1.3	1
15	Dispersion of the Rayleigh light-scattering virial coefficients and polarisability anisotropy of CO ₂ . <i>Molecular Physics</i> , 2019, 117, 289-297.	0.8	1
16	Depolarized interaction-induced Rayleigh light scattering in gaseous SO ₂ . <i>Molecular Physics</i> , 1999, 96, 921-925.	0.8	1