

# Vincent W Couling

## List of Publications by Year in descending order

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16  
papers

165  
citations

1162889

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h-index

1125617

13  
g-index

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docs citations

16  
times ranked

208  
citing authors

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