Corey J Evans

List of Publications by Year
in descending order

47 papers	1,712 citations	279798 23 h-index	276875 41 g-index
48 all docs	48 docs citations	48 times ranked	898 citing authors

#	Article	IF	Citations
1	Noble Gasâ^'Metal Chemical Bonds. Microwave Spectra, Geometries, and Nuclear Quadrupole Coupling Constants of Arâ^'AuCl and Krâ^'AuCl. Journal of the American Chemical Society, 2000, 122, 6100-6105.	13.7	182
2	Noble gasâ€"metal chemical bonding? The microwave spectra, structures, and hyperfine constants of Arâ€"CuX(X=F,â€ŠCl,â€ŠBr). Journal of Chemical Physics, 2000, 112, 9363-9374.	3.0	178
3	The microwave spectra and structures of Arâ€"AgX (X=F,Cl,Br). Journal of Chemical Physics, 2000, 112, 1321-1329.	3.0	173
4	Noble gasâ€"metal chemical bonding: the microwave spectra, structures and hyperfine constants of Arâ€"AuF and Arâ€"AuBr. Physical Chemistry Chemical Physics, 2000, 2, 3943-3948.	2.8	128
5	Confirmation of the Existence of Gold(I) Fluoride, AuF:Â Microwave Spectrum and Structure. Journal of the American Chemical Society, 2000, 122, 1560-1561.	13.7	99
6	Microwave Spectrum, Structure, and Hyperfine Constants of Krâ€"AgCl: Formation of a Weak Krâ€"Ag Covalent Bond. Journal of Molecular Spectroscopy, 2001, 206, 33-40.	1.2	74
7	The Pure Rotational Spectra of AuCl and AuBr. Journal of Molecular Spectroscopy, 2000, 203, 105-117.	1.2	69
8	Benzoxazine Atropisomers: Intrinsic Atropisomerization Mechanism and Conversion to High Performance Thermosets. Macromolecules, 2018, 51, 7574-7585.	4.8	61
9	Pure Rotational Spectra, Structures, and Hyperfine Constants of OCâ^'AuX (X = F, Cl, Br). Inorganic Chemistry, 2001, 40, 6123-6131.	4.0	58
10	A three-dimensional multivariate image processing technique for the analysis of FTIR spectroscopic images of multiple tissue sections. BMC Medical Imaging, 2006, 6, 12.	2.7	50
11	The Pure Rotational Spectrum of AuI. Journal of Molecular Spectroscopy, 2001, 205, 344-346.	1.2	44
12	Geometries and Bond Energies of the Heâ^'MX, Neâ^'MX, and Arâ^'MX (M = Cu, Ag, Au; X = F, Cl) Complexes. Journal of Physical Chemistry A, 2010, 114, 4446-4454.	2.5	43
13	Fourier Transform Microwave Spectroscopy of Cyanides and Isocyanides of Al, Ga, and In. Journal of Molecular Spectroscopy, 2001, 209, 178-191.	1.2	42
14	Pure Rotational Spectrum and Structure of Platinum Monocarbonyl, PtCO. Journal of Physical Chemistry A, 2001, 105, 9659-9663.	2.5	40
15	Parasites under the Spotlight: Applications of Vibrational Spectroscopy to Malaria Research. Chemical Reviews, 2018, 118, 5330-5358.	47.7	40
16	The pure rotational spectrum of ScBr. Physical Chemistry Chemical Physics, 2000, 2, 43-46.	2.8	34
17	The Hyperfine Structures of ScCl and ScF. Journal of Molecular Spectroscopy, 2000, 199, 275-283.	1.2	33
18	Infrared spectroscopy of Li(NH3)n clusters for n=4â€"7. Journal of Chemical Physics, 2006, 125, 034302.	3.0	31

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19	The pure rotational spectra of the lanthanum monohalides, LaF, LaCl, LaBr, LaI. Journal of Molecular Spectroscopy, 2003, 218, 169-179.	1.2	28
20	Easily Processable Thermosets with Outstanding Performance via Smart Twisted Smallâ€Molecule Benzoxazines. Macromolecular Rapid Communications, 2020, 41, e1900625.	3.9	28
21	Elucidating the role of acetylene in ortho-phthalimide functional benzoxazines: design, synthesis, and structureâ€“property investigations. Polymer Chemistry, 2021, 12, 5059-5068.	3.9	27
22	High-resolution IR spectroscopy of jet-cooled CF3CH2F. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 1723.	1.7	25
23	Hyperfine Structure in the Rotational Spectrum of GaF: A Comparison of Experimental and Calculated Spinâ€“Rotation and Electric Field Gradient Tensors. Journal of Molecular Spectroscopy, 2000, 204, 184-194.	1.2	25
24	High-Resolution FTIR Spectrum of Jet-Cooled CH3CHF2. The Journal of Physical Chemistry, 1996, 100, 8660-8664.	2.9	22
25	Discovery of the optically forbidden S1â€“S0 transition of silylidene (H2C=Si). Journal of Chemical Physics, 2003, 118, 1642-1648.	3.0	22
26	High resolution FTIR spectroscopy of 1,1,1,2-tetrafluoroethane:. Journal of Molecular Spectroscopy, 2003, 218, 48-52.	1.2	15
27	The rotational spectrum and complete heavy atom structure of the chiral molecule verbenone. Journal of Molecular Spectroscopy, 2017, 342, 109-115.	1.2	15
28	The Pure Rotational Spectrum of Yttrium Monoiodide. Journal of Molecular Spectroscopy, 2000, 199, 311-313.	1.2	14
29	The High-Resolution FTIR Spectrum of Jet-Cooled CH3CF2Cl. Journal of Molecular Spectroscopy, 1997, 182, 342-349.	1.2	12
30	A study of the molecular structure and Rennerâ€“Teller effect in the Ãƒâ€Š2Îuâ€“XÌƒâ€Š2Îg electronic spectrum of jet-cooled boron disulfide, BS2. Journal of Chemical Physics, 2003, 119, 2047-2056.	3.0	11
31	The pure rotational spectra of the open-shell diatomic molecules PbI and SnI. Journal of Chemical Physics, 2015, 143, 244309.	3.0	10
32	Spectroscopic detection of the SiCCl free radical. Journal of Chemical Physics, 2002, 117, 6446-6449.	3.0	9
33	The Fourier transform infrared spectrum of jet-cooled CF3CHFCF3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 1177-1183.	3.9	8
34	Ab initio predictions of the spectroscopic parameters of the silicon halomethylidyne (Si=Câ€“X;â€‰X=F,Cl,Br) free radicals. Journal of Chemical Physics, 2002, 117, 6439-6445.	3.0	8
35	The electronic spectroscopy and molecular structure of the HPCl free radical: A potential IIIâ€“V semiconductor growth intermediate. Journal of Chemical Physics, 2003, 119, 2037-2046.	3.0	8
36	Effects of End-Caps on the Atropisomerization, Polymerization, and the Thermal Properties of ortho-Imide Functional Benzoxazines. Polymers, 2019, 11, 399.	4.5	8

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37	Synchrotron infrared spectroscopy of the Î½4, Î½8, Î½10, Î½11 and Î½14 fundamental bands of thiirane. Journal of Molecular Spectroscopy, 2015, 316, 32-37.	1.2	7
38	CF₃⁺and CF₂H⁺: new reagents for n-alkane determination in chemical ionisation reaction mass spectrometry. Analyst, The, 2016, 141, 6564-6570.	3.5	7
39	IR Band Profiling of Dichlorodifluoromethane in the Greenhouse Window: High-Resolution FTIR Spectroscopy of Î½₂ and Î½₈. Journal of Physical Chemistry A, 2014, 118, 2480-2487.	2.5	5
40	The millimetre-wave spectrum of estragole. Chemical Physics Letters, 2013, 580, 37-42.	2.6	4
41	Computational Study on the Structures of the [H, Si, N, C, O] Isomers:Â Possible Species of Interstellar Interest. Journal of Physical Chemistry A, 2007, 111, 13148-13156.	2.5	3
42	Spectroscopic Investigation of the Electronic Ãƒ¹Aâ€²â€²â†'Xìƒ¹Aâ€² Transition of HSiNC. Journal of Physical Chemistry A, 2009, 113, 8533-8539.	2.5	3
43	An investigation of atropisomerism in ortho â€imide substituted 1,3â€benzoxazine by experimental NMR and DFT calculations. Journal of Physical Organic Chemistry, 2019, 32, e3926.	1.9	3
44	Spectroscopic investigation of the Aìƒâ€‰A1â€³-Xìƒâ€‰A1â€² electronic transition of HSiNCO. Journal of Chemical Physics, 2009, 131, 124302.	3.0	2
45	Computational study on the energies and structures of the [H, Si, N, C, S] isomers. Theoretical Chemistry Accounts, 2010, 127, 661-669.	1.4	2
46	Vibrational energies and full analytic potential energy functions of PbI and InI from pure microwave data. Journal of Molecular Spectroscopy, 2016, 330, 80-88.	1.2	2
47	Ab initio predictions of the spectroscopic parameters of the germanium halomethylidyne (Ge=C-X; X=F,) Tj ETQq1 1 0.784314 rgBT /Ov	1.5	0