Bryce E Williamson

List of Publications by Year
in descending order

43 papers	877 citations	430874 18 h-index	501196 28 g-index
43 all docs	43 docs citations	43 times ranked	1077 citing authors

#	Article	IF	Citations
1	Coupled cluster calculations provide a oneâ€toâ€one mapping between calculated and observed transition energies in the electronic absorption spectrum of zinc phthalocyanine. International Journal of Quantum Chemistry, 2017, 117, e25350.	2.0	5
2	Activity of Catalysts Derived from Au101 Immobilized on Activated Carbon. Catalysis Letters, 2016, 146, 1027-1032.	2.6	9
3	Investigation of the Photodegradation of Reactive Blue 19 on P-25 Titanium Dioxide: Effect of Experimental Parameters. Australian Journal of Chemistry, 2015, 68, 471.	0.9	6
4	Tuning the selectivity of a supported gold catalyst in solvent- and radical initiator-free aerobic oxidation of cyclohexene. Catalysis Science and Technology, 2014, 4, 752-757.	4.1	28
5	Variation of guest selectivity within [Fe₄L₄]⁸⁺ tetrahedral cages through subtle modification of the face-capping ligand. Dalton Transactions, 2014, 43, 14550-14553.	3.3	21
6	Why Are Some Reactions Slower at Higher Temperatures?. Journal of Chemical Education, 2013, 90, 1024-1027.	2.3	64
7	The effectiveness of N₂O in depleting stratospheric ozone. Geophysical Research Letters, 2012, 39, .	4.0	46
8	Impacts of the production and consumption of biofuels on stratospheric ozone. Geophysical Research Letters, 2012, 39, .	4.0	8
9	Magnetic Circular Dichroism and Absorption Spectra of Methylidyne in a Krypton Matrix. Journal of Physical Chemistry A, 2011, 115, 8643-8649.	2.5	0
10	Spontaneous Grafting of Nitrophenyl Groups to Planar Glassy Carbon Substrates: Evidence for Two Mechanisms. Journal of Physical Chemistry C, 2011, 115, 6629-6634.	3.1	55
11	Dependence of catalytic activity and long-term stability of enzyme hydrogel films on curing time. Bioelectrochemistry, 2010, 79, 142-146.	4.6	13
12	Patterning of Metal, Carbon, and Semiconductor Substrates with Thin Organic Films by Microcontact Printing with Aryldiazonium Salt Inks. Analytical Chemistry, 2010, 82, 7027-7034.	6.5	46
13	Reaction of Gold Substrates with Diazonium Salts in Acidic Solution at Open-Circuit Potential. Langmuir, 2009, 25, 13503-13509.	3.5	72
14	Fiber-Optic Infrared Reflection Absorption Spectroscopy for Trace Analysis on Surfaces of Varying Roughness. Part II: Acetaminophen on Stainless Steel. Applied Spectroscopy, 2008, 62, 312-318.	2.2	8
15	Grazing-Angle Fiber-Optic Fourier Transform Infrared Reflectionâ^'Absorption Spectroscopy for the in Situ Detection and Quantification of Two Active Pharmaceutical Ingredients on Glass. Analytical Chemistry, 2007, 79, 1231-1236.	6.5	23
16	Fiber-Optic Infrared Reflection Absorption Spectroscopy for Trace Analysis on Surfaces of Varying Roughness: Sodium Dodecyl Sulfate on Stainless Steel. Applied Spectroscopy, 2006, 60, 516-520.	2.2	9
17	Magnetic Circular Dichroism and Absorption Spectra of Phosphinidene in Noble-Gas Matrices. ChemInform, 2005, 36, no.	0.0	0
18	Magnetic Circular Dichroism and Absorption Spectra of Phosphinidene in Noble-Gas Matrices. Journal of Physical Chemistry A, 2005, 109, 1343-1347.	2.5	19

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19	Grazing-Angle Fiber-Optic IRRAS for in Situ Cleaning Validation. Organic Process Research and Development, 2005, 9, 337-343.	2.7	33
20	Magneto-Optical Investigations of Imidogen in Inert-Gas Matrices. Journal of Physical Chemistry A, 2004, 108, 2633-2637.	2.5	5
21	Chiral, single-molecule nanomagnets: synthesis, magnetic characterization and natural and magnetic circular dichroism. Journal of Materials Chemistry, 2004, 14, 2455-2460.	6.7	48
22	Spectroscopic and related evidence on the coloring and constitution of New Zealand jade. American Mineralogist, 2004, 88, 1336-1344.	1.9	22
23	A Chemically Relevant Model for Teaching the Second Law of Thermodynamics. Journal of Chemical Education, 2002, 79, 339.	2.3	8
24	Model for Teaching about Electrical Neutrality in Electrolyte Solutions. Journal of Chemical Education, 2001, 78, 934.	2.3	5
25	Aggregation and site-selective spectroscopy of matrix-isolated metallophthalocyanines. Journal of Luminescence, 2001, 93, 293-301.	3.1	30
26	Temperature-Dependent Magnetic Circular Dichroism of Lutetium Bisphthalocyanineâ€. Journal of Physical Chemistry A, 2000, 104, 3537-3543.	2.5	35
27	Magnetic Circular Dichroism of C60+ and C60- Radicals in Argon Matrixes. Journal of Physical Chemistry A, 1999, 103, 6533-6539.	2.5	9
28	Magneto-optic measurements of spectral holes. Journal of Luminescence, 1998, 76-77, 339-343.	3.1	4
29	Magnetic Circular Dichroism of the CH Radical in an Argon Matrix. Journal of Physical Chemistry A, 1998, 102, 138-145.	2.5	8
30	Magnetic Circular Dichroism and Absorption Spectra of the NH Radical in an Argon Matrix. Journal of Physical Chemistry A, 1998, 102, 2415-2423.	2.5	12
31	Magnetic Circular Dichroism of the Hydroxyl Radical in an Argon Matrix. Journal of Physical Chemistry A, 1997, 101, 3119-3124.	2.5	20
32	Weak Temperature Dependence in the Magnetic Circular Dichroism of Matrix-Isolated Copper Phthalocyanine. Journal of Physical Chemistry A, 1997, 101, 2050-2054.	2.5	12
33	Spectral hole-burning and magnetic circular dichroism of matrix-isolated copper phthalocyanine. Chemical Physics Letters, 1996, 260, 522-528.	2.6	4
34	Magneto-optical hole burning studies of matrix isolated phthalocyanines. Journal of Luminescence, 1995, 66-67, 19-24.	3.1	5
35	Magnetooptical Spectroscopy of Zinc Octaethylporphyrin in an Argon Matrix. The Journal of Physical Chemistry, 1995, 99, 5865-5872.	2.9	7
36	Magnetic Circular Dichroism and Absorption Spectra of the .gamma.-Band Region of Titanium Monoxide in an Argon Matrix. The Journal of Physical Chemistry, 1994, 98, 3624-3630.	2.9	5

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37	Magnetooptical spectroscopy of zinc tetrabenzoporphyrin in an argon matrix. The Journal of Physical Chemistry, 1993, 97, 7417-7426.	2.9	19
38	Magnetic circularly polarized luminescence of zinc phthalocyanine in an argon matrix. The Journal of Physical Chemistry, 1990, 94, 2828-2832.	2.9	25
39	Magnetic circular dichroism and absorption spectrum of zinc phthalocyanine in an argon matrix between 14700 and 74000 cm-1. The Journal of Physical Chemistry, 1989, 93, 2999-3011.	2.9	94
40	Vacuum ultraviolet mcd and absorption spectra of zinc phthalocyanine isolated in an ar matrix using synchrotron radiation. Chemical Physics Letters, 1987, 140, 483-488.	2.6	6
41	Magnetic circular dichroism of the potassium atom â€œblue tripletâ€•in a xenon matrix. Chemical Physics Letters, 1987, 142, 557-561.	2.6	10
42	Vacuum ultraviolet MCD and absorption spectra of benzene isolated in an Ar matrix using synchrotron radiation. Chemical Physics Letters, 1986, 130, 33-38.	2.6	7
43	Vacuum ultraviolet mcd and absorption spectra of P4 isolated in an ar matrix using synchrotron radiation. Chemical Physics Letters, 1986, 125, 349-354.	2.6	12