

# Bryce E Williamson

## List of Publications by Year in descending order

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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	Magnetic circular dichroism and absorption spectrum of zinc phthalocyanine in an argon matrix between 14700 and 74000 cm <sup>-1</sup> . <i>The Journal of Physical Chemistry</i> , 1989, 93, 2999-3011.	2.9	94
2	Reaction of Gold Substrates with Diazonium Salts in Acidic Solution at Open-Circuit Potential. <i>Langmuir</i> , 2009, 25, 13503-13509.	3.5	72
3	Why Are Some Reactions Slower at Higher Temperatures?. <i>Journal of Chemical Education</i> , 2013, 90, 1024-1027.	2.3	64
4	Spontaneous Grafting of Nitrophenyl Groups to Planar Glassy Carbon Substrates: Evidence for Two Mechanisms. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6629-6634.	3.1	55
5	Chiral, single-molecule nanomagnets: synthesis, magnetic characterization and natural and magnetic circular dichroism. <i>Journal of Materials Chemistry</i> , 2004, 14, 2455-2460.	6.7	48
6	Patterning of Metal, Carbon, and Semiconductor Substrates with Thin Organic Films by Microcontact Printing with Aryldiazonium Salt Inks. <i>Analytical Chemistry</i> , 2010, 82, 7027-7034.	6.5	46
7	The effectiveness of N <sub>2</sub> O in depleting stratospheric ozone. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	46
8	Temperature-Dependent Magnetic Circular Dichroism of Lutetium Bisphthalocyanine. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3537-3543.	2.5	35
9	Grazing-Angle Fiber-Optic IRRAS for in Situ Cleaning Validation. <i>Organic Process Research and Development</i> , 2005, 9, 337-343.	2.7	33
10	Aggregation and site-selective spectroscopy of matrix-isolated metallophthalocyanines. <i>Journal of Luminescence</i> , 2001, 93, 293-301.	3.1	30
11	Tuning the selectivity of a supported gold catalyst in solvent- and radical initiator-free aerobic oxidation of cyclohexene. <i>Catalysis Science and Technology</i> , 2014, 4, 752-757.	4.1	28
12	Magnetic circularly polarized luminescence of zinc phthalocyanine in an argon matrix. <i>The Journal of Physical Chemistry</i> , 1990, 94, 2828-2832.	2.9	25
13	Grazing-Angle Fiber-Optic Fourier Transform Infrared Reflection Absorption Spectroscopy for the in Situ Detection and Quantification of Two Active Pharmaceutical Ingredients on Glass. <i>Analytical Chemistry</i> , 2007, 79, 1231-1236.	6.5	23
14	Spectroscopic and related evidence on the coloring and constitution of New Zealand jade. <i>American Mineralogist</i> , 2004, 88, 1336-1344.	1.9	22
15	Variation of guest selectivity within [Fe <sub>4</sub> L <sub>4</sub> ] <sup>8+</sup> tetrahedral cages through subtle modification of the face-capping ligand. <i>Dalton Transactions</i> , 2014, 43, 14550-14553.	3.3	21
16	Magnetic Circular Dichroism of the Hydroxyl Radical in an Argon Matrix. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3119-3124.	2.5	20
17	Magneto-optical spectroscopy of zinc tetrabenzoporphyrin in an argon matrix. <i>The Journal of Physical Chemistry</i> , 1993, 97, 7417-7426.	2.9	19
18	Magnetic Circular Dichroism and Absorption Spectra of Phosphinidene in Noble-Gas Matrices. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1343-1347.	2.5	19

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19	Dependence of catalytic activity and long-term stability of enzyme hydrogel films on curing time. <i>Bioelectrochemistry</i> , 2010, 79, 142-146.	4.6	13
20	Vacuum ultraviolet mcd and absorption spectra of P4 isolated in an ar matrix using synchrotron radiation. <i>Chemical Physics Letters</i> , 1986, 125, 349-354.	2.6	12
21	Weak Temperature Dependence in the Magnetic Circular Dichroism of Matrix-Isolated Copper Phthalocyanine. <i>Journal of Physical Chemistry A</i> , 1997, 101, 2050-2054.	2.5	12
22	Magnetic Circular Dichroism and Absorption Spectra of the NH Radical in an Argon Matrix. <i>Journal of Physical Chemistry A</i> , 1998, 102, 2415-2423.	2.5	12
23	Magnetic circular dichroism of the potassium atom $\epsilon$ blue triplet in a xenon matrix. <i>Chemical Physics Letters</i> , 1987, 142, 557-561.	2.6	10
24	Magnetic Circular Dichroism of C60+ and C60- Radicals in Argon Matrixes. <i>Journal of Physical Chemistry A</i> , 1999, 103, 6533-6539.	2.5	9
25	Fiber-Optic Infrared Reflection Absorption Spectroscopy for Trace Analysis on Surfaces of Varying Roughness: Sodium Dodecyl Sulfate on Stainless Steel. <i>Applied Spectroscopy</i> , 2006, 60, 516-520.	2.2	9
26	Activity of Catalysts Derived from Au101 Immobilized on Activated Carbon. <i>Catalysis Letters</i> , 2016, 146, 1027-1032.	2.6	9
27	Magnetic Circular Dichroism of the CH Radical in an Argon Matrix. <i>Journal of Physical Chemistry A</i> , 1998, 102, 138-145.	2.5	8
28	A Chemically Relevant Model for Teaching the Second Law of Thermodynamics. <i>Journal of Chemical Education</i> , 2002, 79, 339.	2.3	8
29	Fiber-Optic Infrared Reflection Absorption Spectroscopy for Trace Analysis on Surfaces of Varying Roughness. Part II: Acetaminophen on Stainless Steel. <i>Applied Spectroscopy</i> , 2008, 62, 312-318.	2.2	8
30	Impacts of the production and consumption of biofuels on stratospheric ozone. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	8
31	Vacuum ultraviolet MCD and absorption spectra of benzene isolated in an Ar matrix using synchrotron radiation. <i>Chemical Physics Letters</i> , 1986, 130, 33-38.	2.6	7
32	Magneto-optical Spectroscopy of Zinc Octaethylporphyrin in an Argon Matrix. <i>The Journal of Physical Chemistry</i> , 1995, 99, 5865-5872.	2.9	7
33	Vacuum ultraviolet mcd and absorption spectra of zinc phthalocyanine isolated in an ar matrix using synchrotron radiation. <i>Chemical Physics Letters</i> , 1987, 140, 483-488.	2.6	6
34	Investigation of the Photodegradation of Reactive Blue 19 on P-25 Titanium Dioxide: Effect of Experimental Parameters. <i>Australian Journal of Chemistry</i> , 2015, 68, 471.	0.9	6
35	Magnetic Circular Dichroism and Absorption Spectra of the $\gamma$ -Band Region of Titanium Monoxide in an Argon Matrix. <i>The Journal of Physical Chemistry</i> , 1994, 98, 3624-3630.	2.9	5
36	Magneto-optical hole burning studies of matrix isolated phthalocyanines. <i>Journal of Luminescence</i> , 1995, 66-67, 19-24.	3.1	5

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37	Model for Teaching about Electrical Neutrality in Electrolyte Solutions. Journal of Chemical Education, 2001, 78, 934.	2.3	5
38	Magneto-Optical Investigations of Imidogen in Inert-Gas Matrices. Journal of Physical Chemistry A, 2004, 108, 2633-2637.	2.5	5
39	Coupled cluster calculations provide a one-to-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
40	Spectral hole-burning and magnetic circular dichroism of matrix-isolated copper phthalocyanine. Chemical Physics Letters, 1996, 260, 522-528.	2.6	4
41	Magneto-optic measurements of spectral holes. Journal of Luminescence, 1998, 76-77, 339-343.	3.1	4
42	Magnetic Circular Dichroism and Absorption Spectra of Phosphinidene in Noble-Gas Matrices. ChemInform, 2005, 36, no.	0.0	0
43	Magnetic Circular Dichroism and Absorption Spectra of Methylidyne in a Krypton Matrix. Journal of Physical Chemistry A, 2011, 115, 8643-8649.	2.5	0