John A Bumpus

List of Publications by Year
in descending order

29 papers	1,066 citations	516710 16 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	835 citing authors

#	Article	IF	Citations
1	Biodegradation of environmental pollutants by the white rot fungusPhanerochaete chrysosporium: Involvement of the lignin degrading system. BioEssays, 1987, 6, 166-170.	2.5	237
2	Lignin peroxidase H2 from Phanerochaete chrysosporium: Purification, characterization and stability to temperature and pH. Archives of Biochemistry and Biophysics, 1990, 279, 158-166.	3.0	115
3	Biodegradation of 2,4,6-trinitrotoluene byPhanerochaete chrysosporium: Identification of initial degradation products and the discovery of a TNT metabolite that inhibits lignin peroxidases. Current Microbiology, 1994, 28, 185-190.	2.2	99
4	Biodegradation of Congo Red by Phanerochaete chrysosporium. Water Research, 1998, 32, 1713-1717.	11.3	91
5	Fungal degradation of organophosphorous insecticides. Applied Biochemistry and Biotechnology, 1993, 39-40, 715-726.	2.9	50
6	Biodegradation of DDE (1,1-dichloro-2,2-bis(4-chlorophenyl)ethene) by Phanerochaete chrysosporium. Mycological Research, 1993, 97, 95-98.	2.5	48
7	Biodegradation of 2,4,5-trichlorophenoxyacetic acid in liquid culture and in soil by the white rot fungus Phanerochaete chrysosporium. Applied Microbiology and Biotechnology, 1989, 31, 302.	3.6	44
8	Bioremediation of Soil Contaminated with Explosives at the Naval Weapons Station Yorktown. Journal of Soil Contamination, 2000, 9, 537-548.	0.5	38
9	Effects of culture parameters on DDT [1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane] biodegradation by. Chemosphere, 1989, 19, 1387-1398.	8.2	37
10	Microbial degradation of azo dyes. Progress in Industrial Microbiology, 1995, 32, 157-176.	0.0	35
11	Bacterial Ammeline Metabolism via Guanine Deaminase. Journal of Bacteriology, 2010, 192, 1106-1112.	2.2	33
12	Remediation of Water Contaminated with an Azo Dye: An Undergraduate Laboratory Experiment Utilizing an Inexpensive Photocatalytic Reactor. Journal of Chemical Education, 1999, 76, 1680.	2.3	31
13	Further Studies on the Inactivation by Sodium Azide of Lignin Peroxidase fromPhanerochaete chrysosporium. Archives of Biochemistry and Biophysics, 1997, 339, 200-209.	3.0	25
14	Inactivation of Coprinus cinereus peroxidase by 4-chloroaniline during turnover: comparison with horseradish peroxidase and bovine lactoperoxidase. Chemico-Biological Interactions, 1999, 123, 197-217.	4.0	24
15	A Theoretical Investigation of the Ring Strain Energy, Destabilization Energy, and Heat of Formation of CL-20. Advances in Physical Chemistry, 2012, 2012, 1-7.	2.0	20
16	Inhibition of lignin peroxidase H2 by sodium azide. Archives of Biochemistry and Biophysics, 1991, 288, 456-462.	3.0	19
17	Biomimetic Solubilization of a Low Rank Coal:Â Implications for Its Use in Methane Production. Energy & Fuels, 1998, 12, 664-671.	5.1	17
18	Biodegradation of Chlorinated Organic Compounds by Phanerochaete chrysosporium, a Wood-Rotting Fungus. ACS Symposium Series, 1987, , 340-349.	0.5	15

#	Article	IF	Citations
19	Oligomers of 4-chloroaniline are intermediates formed during its biodegration byPhanerochaete chrysosporium. FEMS Microbiology Letters, 1993, 107, 337-342.	1.8	15
20	Inhibition of veratryl alcohol oxidase activity of lignin peroxidase H2 by 3-amino-1,2,4-triazole. Archives of Biochemistry and Biophysics, 1992, 293, 287-291.	3.0	14
21	Calculating Heat of Formation Values of Energetic Compounds: A Comparative Study. Advances in Physical Chemistry, 2016, 2016, 1-11.	2.0	14
22	Characterization of High Explosives and Other Energetic Compounds by Computational Chemistry and Molecular Modeling. Journal of Chemical Education, 2007, 84, 329.	2.3	10
23	Low-Dose Tramadol as an Off-Label Antidepressant: A Data Mining Analysis from the Patientsâ€™ Perspective. ACS Pharmacology and Translational Science, 2020, 3, 1293-1303.	4.9	10
24	Bioremediation of water contaminated with jet fuel-4 in a modified sequencing batch reactor. Water Environment Research, 1995, 67, 174-180.	2.7	6
25	Gas-Phase Heat of Formation Values for Buckminsterfullerene (C₆₀), C70 Fullerene (C₇₀), Corannulene, Coronene, Sumanene, and Other Polycyclic Aromatic Hydrocarbons Calculated Using Density Functional Theory (M06 2X) Coupled with a Versatile Inexpensive Group-Equivalent Approach. Journal of Physical Chemistry A, 2018, 122, 6615-6632.	2.5	6
26	Introducing Light-Scattering Technology into the Undergraduate Curriculum. Journal of Chemical Education, 2000, 77, 1396.	2.3	4
27	On the heat of formation of nitromethane. Journal of Physical Organic Chemistry, 2008, 21, 747-757.	1.9	3
28	An in silico analysis of cytochrome c from Phanerochaete chrysosporium: its amino acid sequence and characterization of gene structural elements. In Silico Biology, 2008, 8, 1-13.	0.9	3
29	Inactivation of lactoperoxidase by 4-chloroaniline. Journal of Agricultural and Food Chemistry, 1993, 41, 2197-2201.	5.2	1