

E J Behrman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

953
citations

19
h-index

28
g-index

86
ext. papers

1,049
ext. citations

6
avg, IF

3.86
L-index

#	Paper	IF	Citations
64	Comment on Jiang Y, Zhang J, Xi B, et al. [Degradation of toluene-2,4-diamine by persulphate. <i>Environ Tech.</i> 2015;36:1441-1447]. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 1769	2.6	1
63	Peroxydisulfate chemistry in the environmental literature: A brief critique. <i>Journal of Hazardous Materials</i> , 2019 , 365, 971	12.8	4
62	Comment on "Changes in activation energy and kinetics of heat-activated persulfate oxidation of phenol in response to changes in pH and temperature". <i>Chemosphere</i> , 2018 , 194, 42	8.4	3
61	Comment on "Revised mechanism of Boyland-Sims oxidation". <i>Journal of Physical Chemistry A</i> , 2011 , 115, 7863-4; author reply 7865-8	2.8	8
60	Improved Syntheses of 5-Hydroxy-2-Pyridones (2,5-Dihydroxypyridines). <i>Synthetic Communications</i> , 2008 , 38, 1168-1175	1.7	6
59	Improved Synthesis of Photo-leucine. <i>Synthetic Communications</i> , 2008 , 38, 2276-2284	1.7	3
58	N-Formylmaleamic acid: an intermediate in nicotinic acid metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, E88; author reply E89	11.5	2
57	Phosphoenolpyruvate: An end to hand-waving. <i>Biochemistry and Molecular Biology Education</i> , 2008 , 36, 323-4	1.3	1
56	The Anomeric Specificity of Enzymes Which Act on Sugars. <i>Journal of Chemical Education</i> , 2007 , 84, 1608-1614	2.4	1
55	Comment on A Novel and Simple Solvent-Free Method for Nucleophilic Aromatic Substitution of Inactive Aryl Halides. <i>Synthetic Communications</i> , 2007 , 37, 1455-1456	1.7	
54	Borodin. <i>Journal of Chemical Education</i> , 2006 , 83, 1138	2.4	3
53	Equilibrium Constants and Water Activity Revisited. <i>Journal of Chemical Education</i> , 2006 , 83, 1290	2.4	3
52	The Elbs and Boyland-Sims peroxydisulfate oxidations. <i>Beilstein Journal of Organic Chemistry</i> , 2006 , 2, 22	2.5	36
51	Cholesterol and Plants. <i>Journal of Chemical Education</i> , 2005 , 82, 1791	2.4	52
50	Music and Chemistry. <i>Journal of Chemical Education</i> , 2005 , 82, 37	2.4	2
49	Choice of Citrus Fruit. <i>Journal of Chemical Education</i> , 2004 , 81, 196	2.4	
48	5-Hydroxyorotic Acid and Orotic Acid 5-Sulfate. <i>Journal of Chemical Research</i> , 2003 , 2003, 702-703	0.6	3

47	SYNTHESIS OF 2,5- AND 2,6-DINITROFLUOROBENZENES AND RELATED HYDROQUINONES. <i>Organic Preparations and Procedures International</i> , 2003 , 35, 422-425	1.1	2
46	An improved synthesis of guanosine 5'-monothiophosphate. <i>Journal of Chemical Research</i> , 2000 , 2000, 446-447	0.6	9
45	On the Conformation of UDPG, a Sugar Nucleotide. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 1055-1056		3
44	What Risk? (ed. Bate, Roger). <i>Journal of Chemical Education</i> , 1999 , 76, 904	2.4	
43	Simple Syntheses of Isouramil and Isobarbituric Acid. <i>Journal of Chemical Research Synopses</i> , 1998 , 340		1
42	A new synthesis of sucrose 6'-phosphate. <i>Carbohydrate Research</i> , 1995 , 270, 71-5	2.9	6
41	The ortho-para ratio and the intermediate in the persulfate oxidation of aromatic amines (the Boyland-Sims oxidation). <i>Journal of Organic Chemistry</i> , 1992 , 57, 2266-2270	4.2	20
40	The synthesis and characterization of uridine 5'-(beta-L-rhamnopyranosyl diphosphate) and its role in the enzymic synthesis of rutin. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 288, 239-42	4.1	22
39	Chemical transformation of sugar nucleotides: acetylation of uridine 5'-(alpha-D-glucopyranosyl diphosphate). <i>Carbohydrate Research</i> , 1990 , 206, 373-7	2.9	3
38	L-DOPA-3-O-SULFATE BY THE PERSULFATE OXIDATION OF L-TYROSINE. <i>Organic Preparations and Procedures International</i> , 1989 , 21, 351-353	1.1	2
37	The Persulfate Oxidation of Phenols and Arylamines (The Elbs and the Boyland-Sims Oxidations) 1988 , 421-511		10
36	A Simple Colorimetric Assay for L-Dopa in the Presence of Tyrosine Using the Phosphotungstic Acid Reagent. <i>Analytical Letters</i> , 1988 , 21, 183-191	2.2	4
35	N.m.r. assignments of acetyl and trityl groups in derivatized carbohydrates via proton-carbon long-range couplings. <i>Carbohydrate Research</i> , 1986 , 158, 227-35	2.9	14
34	A Comment on Determination of the Total Nitrogen Content of Organic Substances Through the Ammonia Formed in oxidation by Persulfate. <i>Analytical Letters</i> , 1985 , 18, 1039-1040	2.2	
33	Reaction of osmium reagents with amino acids and proteins. Reactivity of amino acid residues and peptide bond cleavage. <i>International Journal of Peptide and Protein Research</i> , 1981 , 17, 495-500		29
32	Sequence-specific osmium reagents for polynucleotides. 2. A method for thymine-cytosine pairs. <i>Journal of the American Chemical Society</i> , 1981 , 103, 7773-7779	16.4	12
31	The x-ray crystal structures of the oxo-osmium complexes, OsO ₂ (OH) ₂ phen (1) and Os ₂ O ₆ py ₄ (2). <i>Transition Metal Chemistry</i> , 1981 , 6, 194-195	2.1	16
30	Kinetics of the reaction of some tryptophan derivatives with the osmium tetroxide-pyridine reagent. <i>Journal of Organic Chemistry</i> , 1980 , 45, 135-140	4.2	22

29	The guanosine 5'-diphosphate D-mannose: guanosine 5'-diphosphate L-galactose epimerase of <i>Chlorella pyrenoidosa</i> . Chemical synthesis of guanosine 5'-diphosphate L-galactose and further studies of the enzyme and the reaction it catalyzes. <i>Archives of Biochemistry and Biophysics</i> , 1979 , 194, 496-502	4.1	27
28	Yeast tyrosine tRNA labeled with osmium at the isopentenyl adenosine residue. <i>FEBS Letters</i> , 1979 , 103, 300-3	3.8	2
27	A pair-specific osmium reagent for polynucleotides. <i>Journal of the American Chemical Society</i> , 1979 , 101, 2251-2252	16.4	3
26	Monomer-dimer phenomena in oxoosmium(VI) complexes. <i>Inorganic Chemistry</i> , 1979 , 18, 1364-1370	5.1	11
25	Evidence for ipso attack in the peroxodisulfate oxidation of tertiary aromatic amines. <i>Journal of Organic Chemistry</i> , 1978 , 43, 4551-4552	4.2	8
24	Synthesis of beta-L-fucopyranosyl phosphate and L-fucofuranosyl phosphates by the MacDonald procedure. <i>Carbohydrate Research</i> , 1977 , 56, 315-24	2.9	13
23	Osmium (VI) complexes of the 3', 5'-dinucleoside monophosphates, ApU and UpA. <i>Biochemistry</i> , 1976 , 15, 565-8	3.2	21
22	The bacterial oxidation of nicotinic acid. N-formylmaleamic and N-formylfumaramic acids. <i>Archives of Microbiology</i> , 1976 , 110, 87-90	3	11
21	The reactions of oxo-osmium ligand complexes with isopentenyl adenine and its nucleoside. <i>Bioinorganic Chemistry</i> , 1976 , 5, 343-52		17
20	On the question of phosphate complexes of osmium tetroxide: kinetics of reactions with nucleotides and dinucleoside monophosphates. <i>Bioinorganic Chemistry</i> , 1976 , 5, 359-60		2
19	Mechanism of formation of bis(pyridine)oxoosmium(VI) esters. Effect of pyridine activity on the apparent rate law. <i>Inorganic Chemistry</i> , 1975 , 14, 1425-1426	5.1	18
18	Reactions of osmium ligand complexes with nucleosides. <i>Journal of the American Chemical Society</i> , 1975 , 97, 7352-8	16.4	28
17	Peroxodisulfate oxidation of guanosine and deoxyguanosine in alkaline aqueous solution. <i>Journal of Organic Chemistry</i> , 1974 , 39, 2699-2703	4.2	3
16	Oxidation of nucleic acid bases by potassium peroxodisulfate in alkaline aqueous solution. <i>Journal of Organic Chemistry</i> , 1974 , 39, 1983-9	4.2	27
15	The reaction of oxo-osmium(VI)-pyridine complexes with thymine glycols. <i>Journal of Organic Chemistry</i> , 1973 , 38, 1499-504	4.2	34
14	Chemical synthesis of -L-fucopyranosyl phosphate and -L-rhamnopyranosyl phosphate. <i>Biochemistry</i> , 1973 , 12, 997-1002	3.2	27
13	Nucleophilic reactivity of peroxy anions. <i>Journal of Organic Chemistry</i> , 1972 , 37, 1037-1041	4.2	54
12	Formation and hydrolysis of osmate(VI) esters. <i>Inorganic Chemistry</i> , 1972 , 11, 2621-2627	5.1	31

11	Mechanism of the base-catalyzed conversion of nitriles to amides by hydrogen peroxide. <i>Journal of Organic Chemistry</i> , 1971 , 36, 3048-3050	4.2	57
10	The reactions of hydrogen peroxide and some of its derivatives with uracil, thymine, and thymidine 5'-phosphate. <i>Journal of Organic Chemistry</i> , 1971 , 36, 1256-9	4.2	11
9	Quantitative Determination of o- and p-Dihydric Phenols in Presence of Monohydric Phenols by Use of a Phosphotungstic Acid Reagent.. <i>Analytical Chemistry</i> , 1964 , 36, 2189-2191	7.8	5
8	Studies on the Mechanism of the Elbs Peroxydisulfate Oxidation. <i>Journal of the American Chemical Society</i> , 1963 , 85, 3478-3482	16.4	24
7	ENRICHMENT PROCEDURES FOR THE ISOLATION OF TRYPTOPHAN-OXIDIZING ORGANISMS. <i>Journal of Bacteriology</i> , 1963 , 85, 946-7	3.5	6
6	The Elbs Peroxydisulfate Oxidation: Kinetics. <i>Journal of the American Chemical Society</i> , 1962 , 84, 3454-3457	4.4	15
5	Tryptophan metabolism in Pseudomonas. <i>Nature</i> , 1962 , 196, 150-2	50.4	31
4	The quinoline pathway of tryptophan oxidation in Pseudomonas: synthesis of 7,8-dihydroxykynurenic acid and kynurenic acid-C14. <i>Analytical Biochemistry</i> , 1960 , 1, 181-6	3.1	3
3	Amino acid metabolism. <i>Annual Review of Biochemistry</i> , 1959 , 28, 223-56	29.1	17
2	The Elbs Peroxydisulfate Oxidation in the Pyridine Series: a New Synthesis of 2,5-Dihydroxypyridine1. <i>Journal of the American Chemical Society</i> , 1958 , 80, 3717-3718	16.4	39
1	The bacterial oxidation of nicotinic acid. <i>Journal of Biological Chemistry</i> , 1957 , 228, 923-45	5.4	103