

# James E Jackson

## List of Publications by Year in descending order

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147  
papers

5,320  
citations

61984

43  
h-index

102487

66  
g-index

157  
all docs

157  
docs citations

157  
times ranked

4694  
citing authors

#	ARTICLE	IF	CITATIONS
1	Skeletal Ni electrode-catalyzed C-O cleavage of diaryl ethers entails direct elimination via benzyne intermediates. <i>Nature Communications</i> , 2022, 13, 2050.	12.8	4
2	Technoeconomic analysis of corn stover conversion by decentralized pyrolysis and electrocatalysis. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2823-2834.	4.9	4
3	Mild, Electroreductive Lignin Cleavage: Optimizing the Depolymerization of Authentic Lignins. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7545-7552.	6.7	10
4	A chiroptical approach for the absolute stereochemical determination of <i>P</i> -stereogenic centers. <i>Chemical Science</i> , 2021, 12, 1750-1755.	7.4	3
5	Thio-assisted reductive electrolytic cleavage of lignin $\beta$ -O-4 models and authentic lignin. <i>Green Chemistry</i> , 2021, 23, 412-421.	9.0	28
6	Electrochemical upgrading of depolymerized lignin: a review of model compound studies. <i>Green Chemistry</i> , 2021, 23, 2868-2899.	9.0	65
7	Femtosecond dynamics and coherence of ionic retro-Diels-Alder reactions. <i>Journal of Chemical Physics</i> , 2021, 155, 044303.	3.0	6
8	Excited-State Dynamics of a Substituted Fluorene Derivative. The Central Role of Hydrogen Bonding Interactions with the Solvent. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12242-12253.	2.6	2
9	Intramolecular Relaxation Dynamics Mediated by Solvent-Solute Interactions of Substituted Fluorene Derivatives. Solute Structural Dependence. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12486-12499.	2.6	0
10	Teaching Electrochemistry with Common Objects: Electrocatalytic Hydrogenation of Acetol with U.S. Coins. <i>Journal of Chemical Education</i> , 2020, 97, 172-177.	2.3	9
11	Electrocatalytic cleavage of lignin model dimers using ruthenium supported on activated carbon cloth. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1340-1350.	4.9	34
12	Electroactivated alkylation of amines with alcohols <i>via</i> both direct and indirect borrowing hydrogen mechanisms. <i>Green Chemistry</i> , 2020, 22, 860-869.	9.0	8
13	Nucleophilic Thiols Reductively Cleave Ether Linkages in Lignin Model Polymers and Lignin. <i>ChemSusChem</i> , 2020, 13, 4394-4399.	6.8	26
14	Steric effects in light-induced solvent proton abstraction. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19613-19622.	2.8	4
15	Greener Routes to Biomass Waste Valorization: Lignin Transformation Through Electrocatalysis for Renewable Chemicals and Fuels Production. <i>ChemSusChem</i> , 2020, 13, 4214-4237.	6.8	123
16	Quantitative Analysis of Infrared Spectra of Binary Alcohol + Cyclohexane Solutions with Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3077-3089.	2.5	15
17	Mechanistic Insights into the Origin of Stereoselectivity in an Asymmetric Chlorolactonization Catalyzed by (DHQD) <sub>2</sub> PHAL. <i>Journal of the American Chemical Society</i> , 2020, 142, 7179-7189.	13.7	22
18	Redox potential tuning in bio-relevant heterocycles via (anti)aromaticity modulated H-bonding (AMHB). <i>Canadian Journal of Chemistry</i> , 2020, 98, 337-346.	1.1	0

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19	Multiple Mechanisms Mapped in Aryl Alkyl Ether Cleavage via Aqueous Electrocatalytic Hydrogenation over Skeletal Nickel. <i>Journal of the American Chemical Society</i> , 2020, 142, 4037-4050.	13.7	40
20	Isoenergetic two-photon excitation enhances solvent-to-solute excited-state proton transfer. <i>Journal of Chemical Physics</i> , 2020, 153, 224301.	3.0	4
21	Biomimetic Reductive Cleavage of Keto Aryl Ether Bonds by Small Molecule Thiols. <i>ChemSusChem</i> , 2019, 12, 4775-4779.	6.8	22
22	Cycloaddition/Electrocyclic Ring Opening Sequence between Alkynyl Sulfides and Azodicarboxylates To Provide <i>N,N</i> -Dicarbamoyl 2-Iminothioimidates. <i>Journal of Organic Chemistry</i> , 2019, 84, 9734-9743.	3.2	6
23	Proton Abstraction Mediates Interactions between the Super Photobase FRO-SB and Surrounding Alcohol Solvent. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8448-8456.	2.6	9
24	Electrocatalytic Upgrading of Phenolic Compounds Observed after Lignin Pyrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8375-8386.	6.7	69
25	Absolute and relative facial selectivities in organocatalytic asymmetric chlorocyclization reactions. <i>Chemical Science</i> , 2018, 9, 2898-2908.	7.4	22
26	H <sub>2</sub> roaming chemistry and the formation of H <sub>3</sub> <sup>+</sup> from organic molecules in strong laser fields. <i>Nature Communications</i> , 2018, 9, 5186.	12.8	73
27	Accessing the Rare Diazacyclobutene Motif. <i>Organic Letters</i> , 2018, 20, 8009-8013.	4.6	14
28	Chemoenzymatic synthesis of glycopeptides bearing rare N-glycan sequences with or without bisecting GlcNAc. <i>Chemical Science</i> , 2018, 9, 8194-8206.	7.4	16
29	Substrate Controlled Regioselective Bromination of Acylated Pyrroles Using Tetrabutylammonium Tribromide (TBABr <sub>3</sub> ). <i>Journal of Organic Chemistry</i> , 2018, 83, 9250-9255.	3.2	14
30	Towards sustainable hydrocarbon fuels with biomass fast pyrolysis oil and electrocatalytic upgrading. <i>Sustainable Energy and Fuels</i> , 2017, 1, 258-266.	4.9	70
31	High-Field NMR Spectroscopy Reveals Aromaticity-Modulated Hydrogen Bonding in Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9842-9846.	13.8	11
32	High-Field NMR Spectroscopy Reveals Aromaticity-Modulated Hydrogen Bonding in Heterocycles. <i>Angewandte Chemie</i> , 2017, 129, 9974-9978.	2.0	1
33	Mechanisms and time-resolved dynamics for trihydrogen cation (H <sub>3</sub> <sup>+</sup> ) formation from organic molecules in strong laser fields. <i>Scientific Reports</i> , 2017, 7, 4703.	3.3	62
34	Stereoretentive H/D Exchange via an Electroactivated Heterogeneous Catalyst at sp <sup>3</sup> C-H Sites Bearing Amines or Alcohols. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4230-4235.	2.4	20
35	Nucleophile-Assisted Alkene Activation: Olefins Alone Are Often Incompetent. <i>Journal of the American Chemical Society</i> , 2016, 138, 8114-8119.	13.7	74
36	Structural and morphological evaluation of Ru-Pd bimetallic nanocrystals. <i>Materials Chemistry and Physics</i> , 2016, 173, 1-6.	4.0	11

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37	AMHB: (Anti)aromaticity-Modulated Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2016, 138, 3427-3432.	13.7	29
38	Reductive Nâ€“O cleavage of Weinreb amides by sodium in alumina and silica gels: synthetic and mechanistic studies. <i>Tetrahedron Letters</i> , 2015, 56, 6227-6230.	1.4	10
39	Electrocatalytic upgrading of model lignin monomers with earth abundant metal electrodes. <i>Green Chemistry</i> , 2015, 17, 601-609.	9.0	101
40	Effects of surface activation on the structural and catalytic properties of ruthenium nanoparticles supported on mesoporous silica. <i>Nanotechnology</i> , 2014, 25, 045701.	2.6	8
41	Polyatomic Molecules under Intense Femtosecond Laser Irradiation. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11433-11450.	2.5	30
42	Nucleofugality in oxygen and nitrogen derived pseudohalides in Menshutkin reactions: the importance of the intrinsic barrier. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24559-24569.	2.8	2
43	Synthesis and characterization of Aza222-based polymers for the removal of mercury from aqueous solutions. <i>Reactive and Functional Polymers</i> , 2014, 74, 90-100.	4.1	1
44	A mild approach for bio-oil stabilization and upgrading: electrocatalytic hydrogenation using ruthenium supported on activated carbon cloth. <i>Green Chemistry</i> , 2014, 16, 844-852.	9.0	79
45	A New Tool To Guide Halofunctionalization Reactions: The Halenium Affinity (<i>HalA</i>) Scale. <i>Journal of the American Chemical Society</i> , 2014, 136, 13355-13362.	13.7	77
46	Reciprocal Hydrogen Bondingâ€“Aromaticity Relationships. <i>Journal of the American Chemical Society</i> , 2014, 136, 13526-13529.	13.7	50
47	Solventâ€“Dependent Enantiodivergence in the Chlorocyclization of Unsaturated Carbamates. <i>Chemistry - A European Journal</i> , 2013, 19, 9015-9021.	3.3	63
48	Dissecting the Stereocontrol Elements of a Catalytic Asymmetric Chlorolactonization: Syn Addition Obviates Bridging Chloronium. <i>Journal of the American Chemical Society</i> , 2013, 135, 14524-14527.	13.7	65
49	Microsized particles of Aza222 polymer as a regenerable ultrahigh affinity sorbent for the removal of mercury from aqueous solutions. <i>Separation and Purification Technology</i> , 2013, 116, 415-425.	7.9	21
50	Mild electrocatalytic hydrogenation and hydrodeoxygenation of bio-oil derived phenolic compounds using ruthenium supported on activated carbon cloth. <i>Green Chemistry</i> , 2012, 14, 2540.	9.0	143
51	Mechanistic investigations in Î±â€“hydroxycarbonyls reduction by BH<sub>4</sub><sup>â€“</sup>. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 1186-1192.	1.9	2
52	Aqueous electrocatalytic hydrogenation of furfural using a sacrificial anode. <i>Electrochimica Acta</i> , 2012, 64, 87-93.	5.2	88
53	Characterizing Lactic Acid Hydrogenolysis Rates in Laboratory Trickle Bed Reactors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 5440-5447.	3.7	10
54	Nano-Structures and Interactions of Alkali Metals within Silica Gel. <i>Chemistry of Materials</i> , 2011, 23, 2388-2397.	6.7	21

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55	Supported mesoporous solid base catalysts for condensation of carboxylic acids. <i>Journal of Catalysis</i> , 2011, 278, 189-199.	6.2	62
56	Selectivity in the Addition Reactions of Organometallic Reagents to Aziridine- $\alpha$ -carboxaldehydes: The Effects of Protecting Groups and Substitution Patterns. <i>Chemistry - A European Journal</i> , 2011, 17, 12326-12339.	3.3	16
57	Can Hydridic-to-Protonic Hydrogen Bonds Catalyze Hydride Transfers in Biological Systems?. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13376-13380.	2.5	4
58	A Kinetic and Mass Transfer Model for Glycerol Hydrogenolysis in a Trickle-Bed Reactor. <i>Organic Process Research and Development</i> , 2010, 14, 1304-1312.	2.7	28
59	Reductive amine deallyl- and debenzoylation with alkali metal in Silica Gel (M-SG). <i>Tetrahedron Letters</i> , 2009, 50, 3864-3866.	1.4	12
60	Building Blocks for Molecule-Based Magnets: Radical Anions and Dianions of Substituted 3,6-Dimethylenecyclohexane-1,2,4,5-tetrones as Paramagnetic Bridging Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 9005-9017.	4.0	12
61	Preparation of Diphenyl Phosphide and Substituted Phosphines using Alkali Metal in Silica Gel (M-SG). <i>Organic Letters</i> , 2009, 11, 1689-1692.	4.6	31
62	Interaction of polyols with ruthenium metal surfaces in aqueous solution. <i>Green Chemistry</i> , 2009, 11, 1979.	9.0	8
63	Birch Reductions at Room Temperature with Alkali Metals in Silica Gel (Na <sub>2</sub> -K-SG(I)). <i>Journal of Organic Chemistry</i> , 2009, 74, 5790-5792.	3.2	34
64	Effect of biogenic fermentation impurities on lactic acid hydrogenation to propylene glycol. <i>Bioresource Technology</i> , 2008, 99, 5873-5880.	9.6	60
65	Alkali Metals in Silica Gel (M-SG): A New Reagent for Desulfonation of Amines. <i>Organic Letters</i> , 2008, 10, 5441-5444.	4.6	55
66	Hydrogenation of Amino Acid Mixtures to Amino Alcohols. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 7648-7653.	3.7	17
67	Kinetics of Aqueous-Phase Hydrogenation of Organic Acids and Their Mixtures over Carbon Supported Ruthenium Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 3334-3340.	3.7	48
68	Aqueous-phase adsorption of glycerol and propylene glycol onto activated carbon. <i>Carbon</i> , 2007, 45, 579-586.	10.3	18
69	Mild electrocatalytic hydrogenation of lactic acid to lactaldehyde and propylene glycol. <i>Journal of Catalysis</i> , 2007, 246, 15-28.	6.2	46
70	Role of Cation Complexants in the Synthesis of Alkalides and Electrides. <i>Advances in Inorganic Chemistry</i> , 2006, 59, 205-231.	1.0	10
71	Process model and economic analysis of itaconic acid production from dimethyl succinate and formaldehyde. <i>Bioresource Technology</i> , 2006, 97, 342-347.	9.6	15
72	Structural Reinvestigation of Ammonium Hypophosphite: Was Dihydrogen Bonding Observed Long Ago?. <i>ChemInform</i> , 2005, 36, no.	0.0	0

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73	Alkali Metals Plus Silica Gel: Powerful Reducing Agents and Convenient Hydrogen Sources.. ChemInform, 2005, 36, no.	0.0	0
74	Structural Reinvestigation of Ammonium Hypophosphite: Was Dihydrogen Bonding Observed Long Ago?. Inorganic Chemistry, 2005, 44, 45-48.	4.0	5
75	Alkali Metals Plus Silica Gel: Powerful Reducing Agents and Convenient Hydrogen Sources. Journal of the American Chemical Society, 2005, 127, 9338-9339.	13.7	77
76	Design and Synthesis of a Thermally Stable Organic Electride. Journal of the American Chemical Society, 2005, 127, 12416-12422.	13.7	118
77	Propylene glycol and ethylene glycol recovery from aqueous solution via reactive distillation. Chemical Engineering Science, 2004, 59, 2881-2890.	3.8	52
78	Structural and magnetic properties of vanadyl dichloride solvates: from molecular units to extended hydrogen-bonded solids. Dalton Transactions, 2004, , 224.	3.3	23
79	Quest for IR-Pumped Reactions in Dihydrogen-Bonded Complexes. Journal of Physical Chemistry A, 2004, 108, 5521-5526.	2.5	20
80	Kinetics of the Aqueous-Phase Hydrogenation of Alanine to Alaninol. Industrial & Engineering Chemistry Research, 2004, 43, 3297-3303.	3.7	26
81	Barium Azacryptand Sodide, the First Alkalide with an Alkaline Earth Cation, Also Contains a Novel Dimer, (Na <sub>2</sub> ) <sup>2-</sup> . Journal of the American Chemical Society, 2003, 125, 2259-2263.	13.7	57
82	Stereoretentive C-H Bond Activation in the Aqueous Phase Catalytic Hydrogenation of Amino Acids to Amino Alcohols. Organic Letters, 2003, 5, 527-530.	4.6	48
83	Vapor-Liquid-Liquid Equilibrium (VLLE) and Vapor Pressure Data for the Systems 2-Methyl-1,3-dioxolane (2MD) + Water and 2,4-Dimethyl-1,3-dioxolane (24DMD) + Water. Journal of Chemical & Engineering Data, 2003, 48, 44-47.	1.9	17
84	Kinetics of Aqueous-Phase Hydrogenation of Lactic Acid to Propylene Glycol. Industrial & Engineering Chemistry Research, 2002, 41, 691-696.	3.7	46
85	Kinetics of Citraconic Anhydride Formation via Condensation of Formaldehyde and Succinates. Organic Process Research and Development, 2002, 6, 611-617.	2.7	3
86	Inverse Sodium Hydride: A Crystalline Salt that Contains H <sup>+</sup> and Na <sup>-</sup> . Journal of the American Chemical Society, 2002, 124, 5928-5929.	13.7	56
87	Formation and Recovery of Itaconic Acid from Aqueous Solutions of Citraconic Acid and Succinic Acid. Industrial & Engineering Chemistry Research, 2002, 41, 2069-2073.	3.7	18
88	Supramolecular Synthesis through Dihydrogen Bonds: Self-Assembly of Controlled Architectures from NaBH <sub>4</sub> ...Poly(2-hydroxyethyl)cyclen Building Blocks. Chemistry - A European Journal, 2002, 8, 302-308.	3.3	23
89	Formation of citraconic anhydride via condensation of dialkyl succinates and formaldehyde. Applied Catalysis A: General, 2002, 223, 261-273.	4.3	8
90	Synthesis and characterization of 4,7-dimethyl-1,4,7,10,15,18-hexaazabicyclo[8.5.5]octane. Crystal structures of the cryptate and of the first small azacage complexes with six-coordinate lithium geometry. Tetrahedron, 2002, 58, 5849-5854.	1.9	3

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91	A mechanistic study of a topochemical dihydrogen to covalent bonding transformation. <i>Thermochimica Acta</i> , 2002, 388, 143-150.	2.7	8
92	Dihydrogen Bonding: Structures, Energetics, and Dynamics. <i>Chemical Reviews</i> , 2001, 101, 1963-1980.	47.7	600
93	CH <sub>2</sub> + CO <sub>2</sub> → CH <sub>2</sub> O + CO, One-Step Oxygen Atom Abstraction or Addition/Fragmentation via $\hat{1}\pm$ -Lactone?. <i>Journal of Physical Chemistry A</i> , 2001, 105, 7579-7587.	2.5	21
94	Building Blocks for Molecule-Based Magnets: A Theoretical Study of Triplet $\hat{1}$ -Singlet Gaps in the Dianion of Rhodizonic Acid 1,4-Dimethide and Its Derivatives. <i>Journal of the American Chemical Society</i> , 2001, 123, 4774-4780.	13.7	6
95	Aqueous-phase hydrogenation of lactic acid to propylene glycol. <i>Applied Catalysis A: General</i> , 2001, 219, 89-98.	4.3	83
96	Toward Crystalline Covalent Solids: Crystal-to-Crystal Dihydrogen to Covalent Bonding Transformation in NaBH <sub>4</sub> ... THEC. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3299-3302.	13.8	28
97	Topochemical Dihydrogen to Covalent Bonding Transformation in LiBH <sub>4</sub> ·TEA: A Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2000, 122, 5251-5257.	13.7	32
98	Molecular and Electronic Structure of a Reduced Schiff Base Cryptand: Characterization by X-ray Crystallography and Optical and EPR/ENDOR Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3038-3047.	2.5	3
99	Crystalline Salts of Na- and K-(Alkalides) that Are Stable at Room Temperature. <i>Journal of the American Chemical Society</i> , 1999, 121, 10666-10667.	13.7	112
100	From Molecules to the Crystalline Solid: Secondary Hydrogen-Bonding Interactions of Salt Bridges and Their Role in Magnetic Exchange. <i>Chemistry - A European Journal</i> , 1999, 5, 1474-1480.	3.3	61
101	Tuning Dihydrogen Bonds: Enhanced Solid-State Reactivity in a Dihydrogen-Bonded System with Exceptionally Short H...H Distances. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1661-1663.	13.8	34
102	Reactivity Control via Dihydrogen Bonding: Diastereoselection in Borohydride Reductions of $\hat{1}\pm$ -Hydroxyketones. <i>Journal of the American Chemical Society</i> , 1999, 121, 8655-8656.	13.7	43
103	Effects of Ammonium Lactate on 2,3-Pentanedione Formation from Lactic Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 3873-3877.	3.7	20
104	Potassium Radical Anion Salts of 2,3-Bis(2-Pyridyl)quinoxaline. <i>Journal of Physical Chemistry B</i> , 1998, 102, 11029-11034.	2.6	5
105	Reaction and Kinetic Studies of Lactic Acid Conversion over Alkali-Metal Salts. <i>Industrial &amp; Engineering Chemistry Research</i> , 1998, 37, 2360-2366.	3.7	43
106	Correlation of <sup>13</sup> C- <sup>1</sup> H Coupling Constants with Electronic Structure in Bi- and Polycycloalkanes: A PM3 and HF/6-31G* Analysis. <i>Journal of Physical Chemistry A</i> , 1998, 102, 3738-3745.	2.5	15
107	Topochemical Control of Covalent Bond Formation by Dihydrogen Bonding. <i>Journal of the American Chemical Society</i> , 1998, 120, 12935-12941.	13.7	65
108	Toward Prediction of Magnetic Properties in Layered Vanadyl Phosphonates: Correlation of Magnetic Exchange with the Hammett $\rho$ Parameter. <i>Journal of the American Chemical Society</i> , 1997, 119, 1313-1316.	13.7	32

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109	Reaction and Spectroscopic Studies of Sodium Salt Catalysts for Lactic Acid Conversion. <i>Industrial &amp; Engineering Chemistry Research</i> , 1997, 36, 3505-3512.	3.7	54
110	Lactic Acid Conversion to 2,3-Pentanedione and Acrylic Acid over Silica-Supported Sodium Nitrate: Reaction Optimization and Identification of Sodium Lactate as the Active Catalyst. <i>Journal of Catalysis</i> , 1997, 165, 162-171.	6.2	72
111	Ion-Bearing Propellers: Alkali Metal Complexes of Tris(2-alkoxyphenyl)amine Ionophores. <i>Inorganic Chemistry</i> , 1996, 35, 6614-6621.	4.0	5
112	Carbene-to-Carbene Oxygen Atom Transfer. <i>Journal of the American Chemical Society</i> , 1996, 118, 8144-8145.	13.7	14
113	1-Manxyl: A Persistent Tertiary Alkyl Radical that Disproportionates via $\mu$ -Hydrogen Abstraction. <i>Journal of the American Chemical Society</i> , 1996, 118, 12232-12233.	13.7	4
114	Magnetic Properties of Metal-Intercalated Layered Vanadyl Phosphates. <i>Inorganic Chemistry</i> , 1996, 35, 800-801.	4.0	44
115	Reactions of 1,2-Dehydro-o-carborane with Thiophenes. Cycloadditions and an Easy Synthesis of $\alpha$ -Benzo-o-carboranes. <i>Inorganic Chemistry</i> , 1996, 35, 7311-7315.	4.0	64
116	Ferromagnetic coupling by diamagnetic metal cation coordination: magnetism and structure of the alkali-metal salts of nitroxide carboxylates. <i>Chemical Communications</i> , 1996, , 2119.	4.1	9
117	FTIR and $^{31}\text{P}$ -NMR Spectroscopic Analyses of Surface Species in Phosphate-Catalyzed Lactic Acid Conversion. <i>Journal of Catalysis</i> , 1996, 164, 207-219.	6.2	53
118	Effect of Substituents on Dipolar Coupling in Alkali Metal Ketyl Radical Pairs. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 272, 147-151.	0.3	4
119	Ion Complexation Induced High-Spin Associations of Spin-Labeled Crown Ethers: A Reevaluation. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 272, 139-145.	0.3	0
120	Catalysts and Supports for Conversion of Lactic Acid to Acrylic Acid and 2,3-Pentanedione. <i>Industrial &amp; Engineering Chemistry Research</i> , 1995, 34, 974-980.	3.7	70
121	Aryl ring twists in tris(2,6-dimethoxyphenyl)-z tripod ethers: X-ray analysis of an isostructural series of triarylpropellers. <i>Structural Chemistry</i> , 1994, 5, 335-340.	2.0	5
122	Jacobson and Heintschel Peroxides. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 775-777.	4.4	20
123	Jacobson and Heintschel Peroxide. <i>Angewandte Chemie</i> , 1994, 106, 826-828.	2.0	4
124	Formation of 2,3-Pentanedione from Lactic Acid over Supported Phosphate Catalysts. <i>Journal of Catalysis</i> , 1994, 148, 252-260.	6.2	73
125	Low temperature carbene-to-carbene homologations. <i>Research on Chemical Intermediates</i> , 1994, 20, 223-247.	2.7	8
126	Correlation of structure and internal dynamics for (tris(2,6-dimethoxyphenyl)methyl)tin trihalides: a homologous series of seven-coordinate tin compounds. <i>Organometallics</i> , 1993, 12, 2284-2291.	2.3	33



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127	Pulsed EPR studies of ion binding in a double-faced paramagnetic ionophore: tris(2,6-di(methoxyethoxy)phenyl)methyl radical. <i>Journal of the American Chemical Society</i> , 1993, 115, 12623-12624.	13.7	4
128	Interrupted $\dot{I}f$ -Bonds in Organic Materials with Colligative Magnetic Properties. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 211, 289-303.	0.3	7
129	Comparison of twists in isosteric propellers: X-ray structures of tris(2,6-dimethoxyphenyl)borane, tris(2,6-dimethoxyphenyl)methyl cation and tris(2,6-dimethoxyphenyl)methyl radical. <i>Acta Crystallographica Section B: Structural Science</i> , 1992, 48, 324-329.	1.8	18
130	Fluorescence excitation spectroscopy of [2.2]paracyclophane in supersonic jets. <i>Chemical Physics Letters</i> , 1992, 191, 149-156.	2.6	20
131	Laser flash photolysis study of adamantanylidene. <i>Journal of the American Chemical Society</i> , 1991, 113, 2782-2783.	13.7	42
132	An unusual reduction of ethylene occurring during the thermal decomposition of alkalides and electrides.. <i>Tetrahedron Letters</i> , 1991, 32, 5039-5042.	1.4	33
133	Organosilicon rings: structures and strain energies. <i>Journal of the American Chemical Society</i> , 1990, 112, 3408-3414.	13.7	80
134	Conversion of methanol to gasoline: new mechanism for formation of the first carbon-carbon bond. <i>Journal of the American Chemical Society</i> , 1990, 112, 9085-9092.	13.7	59
135	Activation parameters for the reaction of phenylchloro carbene with pyridine, tri-butyltin hydride, and triethylsilane; evidence against the need to invoke reversibly formed complexes in the reaction of this carbene with olefins. <i>Tetrahedron Letters</i> , 1989, 30, 1335-1338.	1.4	33
136	Measurement of the absolute rate of 1,2-hydrogen migration in benzylchlorocarbene. <i>Journal of the American Chemical Society</i> , 1989, 111, 6874-6875.	13.7	48
137	Reaction of triethylsilyl radical with sulfides, a laser flash photolysis study. <i>Journal of Physical Organic Chemistry</i> , 1988, 1, 39-46.	1.9	10
138	Reactivity and selectivity in intermolecular insertion reactions of chlorophenylcarbene. <i>Tetrahedron Letters</i> , 1988, 29, 5863-5866.	1.4	34
139	Kinetics and spectroscopy of ylids from reaction of p-substituted phenylchlorocarbenes with acetone. <i>Tetrahedron Letters</i> , 1988, 29, 3419-3422.	1.4	16
140	Addition of arylchlorocarbenes to .alpha.,.beta.-unsaturated esters. Absolute rates, substituent effects, and variable reactivities. <i>Journal of the American Chemical Society</i> , 1988, 110, 7143-7152.	13.7	49
141	Study of chlorine atom abstraction reactions of phenylchlorocarbene by laser flash photolysis. <i>Journal of the American Chemical Society</i> , 1988, 110, 5597-5597.	13.7	16
142	Pyridine ylide formation by capture of phenylchlorocarbene and tert-butylchlorocarbene. Reaction rates of an alkylchlorocarbene by laser flash photolysis. <i>Journal of the American Chemical Society</i> , 1988, 110, 5595-5596.	13.7	157
143	Concerted formation of a double bond between two previously unconnected atoms: methylene + acetylene. <i>The Journal of Physical Chemistry</i> , 1988, 92, 2686-2696.	2.9	3
144	Reaction of difluorocarbene with small bicyclic molecules. <i>Tetrahedron</i> , 1987, 43, 653-662.	1.9	6

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145	Reactions of carbenes with bicyclobutanes and quadricyclane. Tetrahedron, 1985, 41, 1453-1464.	1.9	27
146	Chirality of the electron density distribution in methyl groups with local C3 symmetry. Journal of the American Chemical Society, 1985, 107, 2880-2885.	13.7	10
147	The carbon 1-carbon 3 bond in [1.1.1]propellane. Journal of the American Chemical Society, 1984, 106, 591-599.	13.7	106