

Richard P Johnson

List of Publications by Year in descending order

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55
papers

2,400
citations

186265
28
h-index

206112
48
g-index

63
all docs

63
docs citations

63
times ranked

2002
citing authors

#	ARTICLE	IF	CITATIONS
1	Strained cyclic cumulenes. <i>Chemical Reviews</i> , 1989, 89, 1111-1124.	47.7	245
2	Total Synthesis of the Quinone Epoxide Dimer (+)-Torreyanic Acid: Application of a Biomimetic Oxidation/Electrocyclization/Diels-Alder Dimerization Cascade. <i>Journal of the American Chemical Society</i> , 2003, 125, 5095-5106.	13.7	146
3	Thermolysis of 1,3,8-Nonatriyne: Evidence for Intramolecular [2 + 4] Cycloaromatization to a Benzyne Intermediate. <i>Journal of the American Chemical Society</i> , 1997, 119, 9917-9918.	13.7	134
4	1,2,3-cyclohexatriene and cyclohexen-3-yne: two new highly strained C ₆ H ₆ isomers. <i>Journal of the American Chemical Society</i> , 1990, 112, 8578-8579.	13.7	94
5	Strain Estimates for Small-Ring Cyclic Allenes and Butatrienes. <i>Journal of Organic Chemistry</i> , 2006, 71, 5708-5714.	3.2	93
6	Vinylogous Addition of Siloxyfurans to Benzopyryliums: A Concise Approach to the Tetrahydroxanthone Natural Products. <i>Journal of the American Chemical Society</i> , 2011, 133, 1714-1717.	13.7	90
7	Concerted vs Stepwise Mechanisms in Dehydro-Diels-Alder Reactions. <i>Journal of Organic Chemistry</i> , 2011, 76, 9320-9328.	3.2	85
8	Interconversions of Cyclobutyne, Cyclopentyne, Cyclohexyne, and Their Corresponding Cycloalkylidenecarbenes. <i>Journal of the American Chemical Society</i> , 1995, 117, 362-367.	13.7	79
9	Atropselective syntheses of (âˆ“) and (+) rugulotrosin A utilizing point-to-axial chirality transfer. <i>Nature Chemistry</i> , 2015, 7, 234-240.	13.6	79
10	Small-ring cyclic cumulenes: theoretical studies of the structure and barrier to inversion in cyclic allenenes. <i>Journal of the American Chemical Society</i> , 1985, 107, 532-537.	13.7	78
11	Strained Cyclic Cumulene Intermediates in Diels-Alder Cycloadditions of Enynes and Diynes. <i>Journal of the American Chemical Society</i> , 1996, 118, 4218-4219.	13.7	78
12	Reduction of CO ₂ on a Tricarbonyl Rhenium(I) Complex: Modeling a Catalytic Cycle. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2877-2881.	2.5	71
13	Electrocyclic Ring Opening Modes of Dewar Benzenes: Ab Initio Predictions for MÃ¶bius Benzene and trans-Dewar Benzene as New C ₆ H ₆ Isomers. <i>Journal of the American Chemical Society</i> , 1996, 118, 7381-7385.	13.7	66
14	Total Synthesis of the Ubiquitin-Activating Enzyme Inhibitor (+)-Panepophenanthrin. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3913-3917.	13.8	61
15	Biomimetic Dehydrogenative Diels-Alder Cycloadditions: Total Syntheses of Brosimones A and B. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8345-8348.	13.8	59
16	Generation and Study of Benzylchlorocarbene from a Phenanthrene Precursor. <i>Journal of the American Chemical Society</i> , 1998, 120, 8055-8059.	13.7	51
17	Phenyl Shifts in Substituted Arenes via Ipso Arenium Ions. <i>Journal of Organic Chemistry</i> , 2012, 77, 9487-9495.	3.2	48
18	Small-ring cyclic cumulenes: Synthesis of a kinetically stable eight membered ring allene. <i>Tetrahedron Letters</i> , 1986, 27, 4679-4682.	1.4	45

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19	Microwave Flash Pyrolysis. <i>Journal of Organic Chemistry</i> , 2009, 74, 4137-4142.	3.2	37
20	Scholl Cyclizations of Aryl Naphthalenes: Rearrangement Precedes Cyclization. <i>Journal of Organic Chemistry</i> , 2015, 80, 9578-9583.	3.2	37
21	Competing Mechanistic Channels in the Oxidation of Aldehydes by Ozone. <i>Journal of Organic Chemistry</i> , 2009, 74, 2108-2113.	3.2	36
22	Conformational Selectivity in the Diels-Alder Cycloaddition: Predictions for Reactions of <i>trans</i> -1,3-Butadiene. <i>Journal of Organic Chemistry</i> , 2000, 65, 7134-7138.	3.2	35
23	Small-ring cyclic cumulenes: the structure and energetics of cyclic butatrienes and the synthesis of 1,2,3-cyclononatriene. <i>Journal of Organic Chemistry</i> , 1984, 49, 2880-2883.	3.2	34
24	Small ring cyclic allenes: an ab initio study of the structure of 1,2-cyclohexadiene. <i>Journal of the American Chemical Society</i> , 1982, 104, 6838-6839.	13.7	33
25	Polarized nonvertical excited states: FORS MCSCF and CI study of torsion and bending in allene. <i>Journal of the American Chemical Society</i> , 1983, 105, 7479-7483.	13.7	33
26	New Thermal Routes to ortho-Benzyne. <i>Australian Journal of Chemistry</i> , 2010, 63, 1007.	0.9	32
27	A convenient large-scale preparation of benzobarrelene. <i>Journal of Organic Chemistry</i> , 1977, 42, 3758-3759.	3.2	31
28	Thermal Rearrangements of 2-Ethynylbiphenyl: A DFT Study of Competing Reaction Mechanisms. <i>Journal of Organic Chemistry</i> , 2009, 74, 499-503.	3.2	29
29	Microwave-Based Reaction Screening: Tandem Retro-Diels-Alder/Diels-Alder Cycloadditions of <i>trans</i> -Quinol Dimers. <i>Journal of Organic Chemistry</i> , 2011, 76, 8944-8954.	3.2	29
30	Beyond the Roger Brown Rearrangement: Long-Range Atom Topomerization in Conjugated Polyynes. <i>Journal of the American Chemical Society</i> , 2002, 124, 6497-6501.	13.7	27
31	Butatriene cycloaddition equivalent approach to the multiple linear homologation of six-membered rings and the synthesis of benzocyclobutenes. <i>Journal of Organic Chemistry</i> , 1983, 48, 273-276.	3.2	25
32	Biomimetic Total Synthesis of (±)-Griffipavixanthone via a Cationic Cycloaddition-Cyclization Cascade. <i>Journal of the American Chemical Society</i> , 2017, 139, 14053-14056.	13.7	25
33	Reaction Discovery Employing Macrocycles: Transannular Cyclizations of Macrocyclic Bis-lactams. <i>Organic Letters</i> , 2009, 11, 413-416.	4.6	24
34	A Computational Model for the Dimerization of Allene. <i>Journal of Organic Chemistry</i> , 2012, 77, 11096-11100.	3.2	24
35	Ab Initio Conformational Analysis of <i>trans</i> -Cyclohexene. <i>Journal of Organic Chemistry</i> , 1995, 60, 1074-1076.	3.2	22
36	Intramolecular thermal cyclotrimerization of an acyclic triyne: An uncatalyzed process. <i>Tetrahedron Letters</i> , 1999, 40, 4141-4144.	1.4	22

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37	A Short and Efficient Synthesis of the [3]Triangulene Ring System. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15793-15796.	13.8	19
38	Photoelectron and charge-transfer spectra of benzobicycloalkenes. Relationships between through-space interactions and reactivity. <i>Journal of the American Chemical Society</i> , 1978, 100, 2959-2965.	13.7	18
39	Beyond Frontier Molecular Orbital Theory: A Systematic Electron Transfer Model (ETM) for Polar Bimolecular Organic Reactions. <i>Journal of Organic Chemistry</i> , 2013, 78, 1864-1873.	3.2	18
40	Dehydropericyclic Reactions: Symmetry-Controlled Routes to Strained Reactive Intermediates. <i>Journal of Organic Chemistry</i> , 2015, 80, 11779-11787.	3.2	18
41	Laser Flash Photolysis Study of Alkylhalocarbenes Generated from Non-Nitrogenous Precursors. <i>Journal of Physical Chemistry A</i> , 1998, 102, 1507-1513.	2.5	17
42	Scalable synthesis of quaterylene: solution-phase 1H NMR spectroscopy of its oxidative dication. <i>Chemical Communications</i> , 2013, 49, 9122.	4.1	17
43	Photorearrangements of acyclic conjugated enynes: a photochemical analog of the Bergman rearrangement. <i>Journal of the American Chemical Society</i> , 1993, 115, 12167-12168.	13.7	15
44	1,2,3-Cyclooctatriene. <i>Tetrahedron Letters</i> , 1996, 37, 4907-4910.	1.4	14
45	Microwave Flash Pyrolysis: C ₉ H ₈ Interconversions and Dimerisations. <i>Australian Journal of Chemistry</i> , 2014, 67, 1301.	0.9	13
46	Cumulene photochemistry: phenyl and hydrogen migration in phenylallene photoreactions. <i>Tetrahedron Letters</i> , 1983, 24, 2523-2526.	1.4	11
47	Dehydropericyclic routes to reactive intermediates. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 283-292.	1.9	11
48	Thermal rearrangements of cyclic allenes retro-ene reactions. <i>Tetrahedron Letters</i> , 1985, 26, 2499-2502.	1.4	8
49	Computational Studies on a Carbenoid Mechanism for the Doering-Moore-Skattebøl Reaction. <i>Journal of Organic Chemistry</i> , 2013, 78, 11815-11823.	3.2	7
50	Acid-Catalyzed Skeletal Rearrangements in Arenes: Aryl versus Alkyl Ring Pirouettes in Anthracene and Phenanthrene. <i>Journal of Organic Chemistry</i> , 2017, 82, 13076-13083.	3.2	7
51	Acid-catalyzed rearrangements in arenes: interconversions in the quaterphenyl series. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2655-2663.	2.2	7
52	The argon laser-jet initiated, multiple-photon (reluctant), electrocyclic ring opening of 10,10-diphenyl-9-(10H)-phenanthrenone : A carbene and biradical modeling study. <i>Tetrahedron Letters</i> , 1994, 35, 5401-5404.	1.4	5
53	Serendipitous Rediscovery of the Facile Cyclization of Z, Z- β , γ -Octadiene-1,7-diyne Derivatives to Afford Stable, Substituted Naphthocyclobutadienes. <i>ChemPlusChem</i> , 2019, 84, 665-672.	2.8	5
54	Synthesis of Oligo(1,8-pyrenylene)s: A Series of Functional Molecular Liquids. <i>ChemPlusChem</i> , 2019, 84, 754-765.	2.8	4

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55	A Short and Efficient Synthesis of the [3]Triangulene Ring System. <i>Angewandte Chemie</i> , 2019, 131, 15940-15943.	2.0	2