

James A Miller

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137
papers

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124
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142
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17,352
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5.5
avg, IF

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L-index

#	Paper	IF	Citations
137	Mechanism and modeling of nitrogen chemistry in combustion. <i>Progress in Energy and Combustion Science</i> , 1989 , 15, 287-338	33.6	2243
136	Kinetic and thermodynamic issues in the formation of aromatic compounds in flames of aliphatic fuels. <i>Combustion and Flame</i> , 1992 , 91, 21-39	5.3	738
135	Searches for ultimate chemical carcinogens and their reactions with cellular macromolecules. <i>Cancer</i> , 1981 , 47, 2327-45	6.4	704
134	Modeling the kinetics of bimolecular reactions. <i>Chemical Reviews</i> , 2006 , 106, 4518-84	68.1	464
133	Modeling nitrogen chemistry in combustion. <i>Progress in Energy and Combustion Science</i> , 2018 , 67, 31-68	33.6	449
132	Kinetic Modeling of Hydrocarbon/Nitric Oxide Interactions in a Flow Reactor. <i>Combustion and Flame</i> , 1998 , 115, 1-27	5.3	417
131	Unravelling combustion mechanisms through a quantitative understanding of elementary reactions. <i>Proceedings of the Combustion Institute</i> , 2005 , 30, 43-88	5.9	369
130	Kinetic modeling and sensitivity analysis of nitrogen oxide formation in well-stirred reactors. <i>Combustion and Flame</i> , 1986 , 65, 177-202	5.3	328
129	Master equation methods in gas phase chemical kinetics. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 10528-44	28.44	325
128	A computational model of the structure and extinction of strained, opposed flow, premixed methane-air flames. <i>Proceedings of the Combustion Institute</i> , 1989 , 22, 1479-1494		317
127	The Recombination of Propargyl Radicals and Other Reactions on a C ₆ H ₆ Potential. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 7783-7799	2.8	315
126	Reformulation and solution of the master equation for multiple-well chemical reactions. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 12146-54	2.8	297
125	A Mathematical Model of the Coupled Fluid Mechanics and Chemical Kinetics in a Chemical Vapor Deposition Reactor. <i>Journal of the Electrochemical Society</i> , 1984 , 131, 425-434	3.9	296
124	Enols are common intermediates in hydrocarbon oxidation. <i>Science</i> , 2005 , 308, 1887-9	33.3	277
123	Mechanisms of chemical carcinogenesis. <i>Cancer</i> , 1981 , 47, 1055-64	6.4	274
122	A Mathematical Model of Silicon Chemical Vapor Deposition: Further Refinements and the Effects of Thermal Diffusion. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 1206-1213	3.9	244
121	The carcinogenic aminoazo dyes. <i>Advances in Cancer Research</i> , 1953 , 1, 339-96	5.9	230

120	Kinetic Modeling of the Oxidation of Ammonia in Flames. <i>Combustion Science and Technology</i> , 1983 , 34, 149-176	1.5	201
119	From the Multiple-Well Master Equation to Phenomenological Rate Coefficients: Reactions on a C ₃ H ₄ Potential Energy Surface. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 2680-2692	2.8	191
118	The role of NNH in NO formation and control. <i>Combustion and Flame</i> , 2011 , 158, 774-789	5.3	180
117	From the Time-Dependent, Multiple-Well Master Equation to Phenomenological Rate Coefficients. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 9267-9277	2.8	150
116	Kinetic modeling of the reduction of nitric oxide in combustion products by isocyanic acid. <i>International Journal of Chemical Kinetics</i> , 1991 , 23, 289-313	1.4	146
115	Measurements, Theory, and Modeling of OH Formation in Ethyl + O ₂ and Propyl + O ₂ Reactions. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 4415-4427	2.8	144
114	Identification and chemistry of C ₄ H ₃ and C ₄ H ₅ isomers in fuel-rich flames. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 3670-8	2.8	137
113	Reaction of ethylene with hydroxyl radicals: a theoretical study. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 6960-70	2.8	137
112	Modeling the thermal DENOX process in flow reactors. Surface effects and Nitrous Oxide formation. <i>International Journal of Chemical Kinetics</i> , 1994 , 26, 421-436	1.4	130
111	Collisional energy transfer in the low-pressure-limit unimolecular dissociation of HO ₂ . <i>Journal of Chemical Physics</i> , 1984 , 80, 5568-5580	3.9	129
110	Exploring old and new benzene formation pathways in low-pressure premixed flames of aliphatic fuels. <i>Proceedings of the Combustion Institute</i> , 2000 , 28, 1519-1527	5.9	125
109	The reaction between propene and hydroxyl. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 11040-53	3.6	121
108	Association rate constants for reactions between resonance-stabilized radicals: C ₃ H ₃ + C ₃ H ₃ , C ₃ H ₃ + C ₃ H ₅ , and C ₃ H ₅ + C ₃ H ₅ . <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 4259-68	3.6	121
107	The H + C ₂ H ₂ (+M) ? C ₂ H ₃ (+M) and H + C ₂ H ₂ (+M) ? C ₂ H ₅ (+M) reactions: Electronic structure, variational transition-state theory, and solutions to a two-dimensional master equation. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 1192-1202	3.6	121
106	Theoretical unimolecular kinetics for CH ₄ + M ? CH ₃ + H + M in eight baths, M = He, Ne, Ar, Kr, H ₂ , N ₂ , CO, and CH ₄ . <i>Journal of Physical Chemistry A</i> , 2011 , 115, 6438-55	2.8	118
105	Predictive a priori pressure-dependent kinetics. <i>Science</i> , 2014 , 346, 1212-5	33.3	115
104	Solution of Some One- and Two-Dimensional Master Equation Models for Thermal Dissociation: The Dissociation of Methane in the Low-Pressure Limit. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 4904-4913	2.8	115
103	Lennard-Jones parameters for combustion and chemical kinetics modeling from full-dimensional intermolecular potentials. <i>Combustion and Flame</i> , 2014 , 161, 101-110	5.3	112

102	Identification of C ₅ H _x isomers in fuel-rich flames by photoionization mass spectrometry and electronic structure calculations. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 4376-88	2.8	112
101	The reaction between ethyl and molecular oxygen II: Further analysis. <i>International Journal of Chemical Kinetics</i> , 2001 , 33, 654-668	1.4	111
100	The Recombination of Propargyl Radicals: Solving the Master Equation. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 7254-7266	2.8	110
99	Synchrotron photoionization measurements of combustion intermediates: photoionization efficiency and identification of C ₃ H ₂ isomers. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 806-13	3.6	107
98	Isomer-specific combustion chemistry in allene and propyne flames. <i>Combustion and Flame</i> , 2009 , 156, 2153-2164	5.3	102
97	Determination of Adiabatic Flame Speeds by Boundary Value Methods. <i>Combustion Science and Technology</i> , 1983 , 34, 79-90	1.5	100
96	Collision dynamics and the thermal rate coefficient for the reaction H+O ₂ ->OH+O. <i>Journal of Chemical Physics</i> , 1981 , 74, 5120-5132	3.9	97
95	A theoretical analysis of the reaction between ethyl and molecular oxygen. <i>Proceedings of the Combustion Institute</i> , 2000 , 28, 1479-1486	5.9	94
94	Theory and modeling in combustion chemistry. <i>Proceedings of the Combustion Institute</i> , 1996 , 26, 461-480		93
93	The reaction of ammonia with nitrogen dioxide in a flow reactor: Implications for the NH ₂ + NO ₂ reaction. <i>International Journal of Chemical Kinetics</i> , 1995 , 27, 1207-1220	1.4	92
92	Toward a comprehensive chemical kinetic mechanism for the oxidation of acetylene: Comparison of model predictions with results from flame and shock tube experiments. <i>Proceedings of the Combustion Institute</i> , 1982 , 19, 181-196		90
91	Combustion chemistry of enols: possible ethenol precursors in flames. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 3254-60	2.8	89
90	A Theoretical Analysis of the Reaction between Vinyl and Acetylene: Quantum Chemistry and Solution of the Master Equation. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 7525-7536	2.8	82
89	Nonstatistical effects and detailed balance in quasiclassical trajectory calculations of the thermal rate coefficient for O+OH->O ₂ +H. <i>Journal of Chemical Physics</i> , 1986 , 84, 6170-6177	3.9	82
88	Third-Body Collision efficiencies for combustion modeling: Hydrocarbons in atomic and diatomic baths. <i>Proceedings of the Combustion Institute</i> , 2015 , 35, 197-204	5.9	80
87	Benzene formation in premixed fuel-rich 1,3-butadiene flames. <i>Proceedings of the Combustion Institute</i> , 2009 , 32, 623-630	5.9	80
86	Infrared frequency-modulation probing of product formation in alkyl + O ₂ reactions. Part IV. Reactions of propyl and butyl radicals with O ₂ . <i>Faraday Discussions</i> , 2001 , 101-20; discussion 121-43	3.6	80
85	A theoretical analysis of the reaction between propargyl and molecular oxygen. <i>Faraday Discussions</i> , 2001 , 79-100; discussion 121-43	3.6	80

84	The reaction of acetylene with hydroxyl radicals. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 6045-55	2.8	79
83	The reaction of hydroxyethyl radicals with O ₂ : A theoretical analysis and experimental product study. <i>Proceedings of the Combustion Institute</i> , 2009 , 32, 271-277	5.9	78
82	Collisional energy transfer in unimolecular reactions: direct classical trajectories for CH ₄ CH ₃ + H in helium. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 5612-9	2.8	77
81	Mechanism and modeling of hydrogen cyanide oxidation in a flow reactor. <i>Combustion and Flame</i> , 1994 , 99, 475-483	5.3	75
80	Temperature and Pressure-Dependent Rate Coefficients for the Reaction of Vinyl Radical with Molecular Oxygen. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 7766-79	2.8	74
79	The reaction of n- and i-C ₄ H ₅ radicals with acetylene. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 3740-7	2.8	73
78	Pathways and rate coefficients for the decomposition of vinoxy and acetyl radicals. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 5772-81	2.8	69
77	Improved simulations of snow extent in the second phase of the Atmospheric Model Intercomparison Project (AMIP-2). <i>Journal of Geophysical Research</i> , 2003 , 108,		69
76	Reactions over multiple, interconnected potential wells: unimolecular and bimolecular reactions on a C ₃ H ₅ potential. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 9429-38	2.8	66
75	Formally direct pathways and low-temperature chain branching in hydrocarbon autoignition: the cyclohexyl + O ₂ reaction at high pressure. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 1320-7	3.6	65
74	Reactions between resonance-stabilized radicals: propargyl + allyl. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 4881-90	2.8	64
73	A hybrid Newton/time-integration procedure for the solution of steady, laminar, one-dimensional, premixed flames. <i>Proceedings of the Combustion Institute</i> , 1988 , 21, 1773-1782		64
72	Dissociation of propyl radicals and other reactions on a C ₃ H ₇ potential. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2718-27	2.8	63
71	Theoretical Considerations in the NH ₂ + NO Reaction. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 2061-2069	2.8	63
70	The temperature and pressure dependence of the reactions H + O ₂ (+M) → HO ₂ (+M) and H + OH (+M) → H ₂ O (+M). <i>Journal of Physical Chemistry A</i> , 2008 , 112, 5085-95	2.8	60
69	Collision efficiency of water in the unimolecular reaction CH ₄ (+H ₂ O) → CH ₃ + H (+H ₂ O): one-dimensional and two-dimensional solutions of the low-pressure-limit master equation. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 12243-55	2.8	59
68	Kinetics of CH + N ₂ revisited with multireference methods. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 522-32	2.8	59
67	Photoionization mass spectrometric studies and modeling of fuel-rich allene and propyne flames. <i>Proceedings of the Combustion Institute</i> , 2007 , 31, 1157-1164	5.9	58

- 66 The effect of allene addition on the structure of a rich C₂H₂/O₂/Ar flame. *Combustion and Flame*, **1996**, 105, 451-461 5.3 58
- 65 Unimolecular reaction mechanisms involving C₃H₄, C₄H₄, and C₆H₆ hydrocarbon species. *Proceedings of the Combustion Institute*, **1992**, 24, 621-628 58
- 64 Chemical nonequilibrium effects in hydrogen-air laminar jet diffusion flames. *The Journal of Physical Chemistry*, **1977**, 81, 2534-2542 58
- 63 The addition of hydrogen atoms to diacetylene and the heats of formation of i-C₄H₃ and n-C₄H₃. *Journal of Physical Chemistry A*, **2005**, 109, 4285-95 2.8 57
- 62 First-Principles Insight into the Hydration Ability and Proton Conduction of the Solid State Proton Conductor, Y and Sn Co-Doped BaZrO₃. *Chemistry of Materials*, **2015**, 27, 901-908 9.6 56
- 61 Determining phenomenological rate coefficients from a time-dependent, multiple-well master equation: "species reduction" at high temperatures. *Physical Chemistry Chemical Physics*, **2013**, 15, 4744-4756 3.6 53
- 60 Kinetics of the reaction between oxygen atoms and ethyl radicals. *Journal of the Chemical Society, Faraday Transactions 2*, **1988**, 84, 491-503 53
- 59 The conversion of HCN to NO and N₂ in H₂O₂/HCN/Ar flames at low pressure. *Proceedings of the Combustion Institute*, **1985**, 20, 673-684 51
- 58 A kinetic issue in reburning: the fate of HCNO. *Combustion and Flame*, **2003**, 135, 357-362 5.3 50
- 57 Quantifying the non-RRKM effect in the H + O₂ → OH + O reaction. *International Journal of Chemical Kinetics*, **1997**, 29, 275-287 1.4 49
- 56 Weakly Bound Free Radicals in Combustion: "Prompt" Dissociation of Formyl Radicals and Its Effect on Laminar Flame Speeds. *Journal of Physical Chemistry Letters*, **2016**, 7, 85-9 6.4 47
- 55 Resolving the mystery of prompt CO₂: The HCCO+O₂ reaction. *Proceedings of the Combustion Institute*, **2002**, 29, 1209-1217 5.9 47
- 54 Role of Microstructure and Surface Defects on the Dissolution Kinetics of CeO₂, a UO₂ Fuel Analogue. *ACS Applied Materials & Interfaces*, **2016**, 8, 10562-71 9.5 46
- 53 Pressure-dependent OH yields in alkene + HO₂ reactions: a theoretical study. *Journal of Physical Chemistry A*, **2011**, 115, 10218-25 2.8 45
- 52 A statistical-theoretical investigation of the thermal rate coefficient and branching ratio for the reaction atomic oxygen + hydrogen cyanide → products. *The Journal of Physical Chemistry*, **1986**, 90, 3339-3345 43
- 51 Prompt NO: Theoretical prediction of the high-temperature rate coefficient for CH + N₂ → HCN + N. *International Journal of Chemical Kinetics*, **1997**, 29, 253-259 1.4 40
- 50 Snow Mass over North America: Observations and Results from the Second Phase of the Atmospheric Model Intercomparison Project. *Journal of Hydrometeorology*, **2005**, 6, 681-695 3.7 40
- 49 The Oxidation of Allene in a Low-Pressure H₂ / O₂ / Ar-C₃ H₄ Flame. *Combustion Science and Technology*, **1995**, 110-111, 249-276 1.5 40

48	Branching Fraction of the NH ₂ + NO Reaction between 1210 and 1370 K. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 3741-3745	2.8	39
47	Detailed balance in multiple-well chemical reactions. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 1128-37	3.7	38
46	Dynamics of the unimolecular dissociation of hydroperoxo. Phase space coupling, microcanonical rate coefficients, and rotational effects. <i>The Journal of Physical Chemistry</i> , 1982 , 86, 772-784		35
45	Kinetics of the gas-phase recombination reaction of hydroxyl radicals to form hydrogen peroxide. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 4457-67	2.8	34
44	A complete statistical analysis of the reaction between OH and CO. <i>Proceedings of the Combustion Institute</i> , 2005 , 30, 945-953	5.9	34
43	An exploratory investigation of the use of alkali metals in nitrous oxide control. <i>International Journal of Chemical Kinetics</i> , 1996 , 28, 217-234	1.4	34
42	A Theoretical Investigation of Mixing Effects in the Selective Reduction of Nitric Oxide by Ammonia. <i>Combustion Science and Technology</i> , 1982 , 29, 147-165	1.5	33
41	Theoretical kinetics of O + C ₂ H ₄ . <i>Proceedings of the Combustion Institute</i> , 2017 , 36, 219-227	5.9	32
40	Combustion chemistry in the twenty-first century: Developing theory-informed chemical kinetics models. <i>Progress in Energy and Combustion Science</i> , 2021 , 83, 100886	33.6	31
39	Adventures on the C ₃ H ₅ O potential energy surface: OH + propyne, OH + allene and related reactions. <i>Proceedings of the Combustion Institute</i> , 2015 , 35, 181-188	5.9	30
38	Research in chemical carcinogenesis with Elizabeth Miller--a trail of discovery with our associates. <i>Drug Metabolism Reviews</i> , 1994 , 26, 1-36	7	30
37	First-principles binary diffusion coefficients for H, H ₂ and four normal alkanes + N ₂ . <i>Journal of Chemical Physics</i> , 2014 , 141, 124313	3.9	29
36	The recombination of hydrogen atoms with nitric oxide at high temperatures. <i>Proceedings of the Combustion Institute</i> , 1998 , 27, 219-226		29
35	The reactions of imidogen with nitric oxide and molecular oxygen. <i>Proceedings of the Combustion Institute</i> , 1992 , 24, 719-726		29
34	The measurement of relative concentration profiles of NH ₂ using laser absorption spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1981 , 26, 313-327	2.1	28
33	Kinetics of Propargyl Radical Dissociation. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 7780-91	2.8	27
32	Ramifications of including non-equilibrium effects for HCO in flame chemistry. <i>Proceedings of the Combustion Institute</i> , 2017 , 36, 525-532	5.9	26
31	A theoretical analysis of the overtone-induced isomerization of methyl isocyanide. <i>Journal of Chemical Physics</i> , 1986 , 85, 4502-4508	3.9	25

30	Comment on "When Rate Constants Are Not Enough". <i>Journal of Physical Chemistry A</i> , 2016 , 120, 306-122.8	23
29	Some Observations Concerning Detailed Balance in Association/Dissociation Reactions. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 8296-8306	2.8 23
28	Hydrocarbon/nitric oxide interactions in low-pressure flames. <i>Proceedings of the Combustion Institute</i> , 1988 , 21, 965-977	23
27	Some chemical kinetics issues in reburning: The branching fraction of the HCCO+NO reaction. <i>Proceedings of the Combustion Institute</i> , 1998 , 27, 235-243	22
26	Combustion chemistry: important features of the C ₃ H ₅ potential energy surface, including allyl radical, propargyl + H ₂ , allene + H, and eight transition states. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 14209-14	2.8 21
25	Kinetic isotope effects: Theoretical prediction of the thermal rate coefficient for the reaction D+O ₂ ->OD+O. <i>Journal of Chemical Physics</i> , 1981 , 75, 5349-5354	3.9 21
24	Unimolecular dissociation of hydroxypropyl and propoxy radicals. <i>Proceedings of the Combustion Institute</i> , 2013 , 34, 519-526	5.9 20
23	A direct transition state theory based analysis of the branching in NH ₂ + NO. <i>Faraday Discussions</i> , 2001 , 207-22; discussion 255-74	3.6 20
22	A theoretical analysis of photoactivated unimolecular dissociation: The overtone dissociation of t-butyl hydroperoxide. <i>Journal of Chemical Physics</i> , 1984 , 81, 455-464	3.9 20
21	High-temperature measurements and a theoretical study of the reaction of OH with 1,3-butadiene. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 8312-8	2.8 19
20	The CH ₃ +NO rate coefficient at high temperatures: Theoretical analysis and comparison with experiment. <i>International Journal of Chemical Kinetics</i> , 1998 , 30, 223-228	1.4 19
19	A theoretical analysis of the reaction between hydrogen atoms and isocyanic acid. <i>International Journal of Chemical Kinetics</i> , 1992 , 24, 421-432	1.4 19
18	Oxidation pathways in the reaction of diacetylene with OH radicals. <i>Proceedings of the Combustion Institute</i> , 2007 , 31, 185-192	5.9 17
17	Angular momentum conservation in the O + OH <-> O ₂ + H reaction. <i>International Journal of Chemical Kinetics</i> , 1999 , 31, 753-756	1.4 17
16	The need for epidemiological studies of the medical exposures of Japanese patients to the carcinogen ethyl carbamate (urethane) from 1950 to 1975. <i>Japanese Journal of Cancer Research</i> , 1991 , 82, 1323-4	17
15	Methyl isocyanide isomerization. Determination of collisional deactivation parameters following carbon-hydrogen overtone excitation. <i>The Journal of Physical Chemistry</i> , 1986 , 90, 3544-3549	17
14	Solution of Premixed and Counterflow Diffusion Flame Problems by Adaptive Boundary Value Methods 1985 , 303-317	16
13	Pressure effects on the thermal de-NO _x process. <i>Proceedings of the Combustion Institute</i> , 1996 , 26, 2067-2074	15

12	Initiation Reactions in Acetylene Pyrolysis. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 4203-4217	2.8	14
11	Reference natural gas flames at nominally autoignitive engine-relevant conditions. <i>Proceedings of the Combustion Institute</i> , 2019 , 37, 1631-1638	5.9	14
10	The structure and reaction mechanism of rich, non-sooting C ₂ H ₂ /O ₂ /Ar flames. <i>Proceedings of the Combustion Institute</i> , 1991 , 23, 187-194		13
9	A theoretical analysis of the reaction between hydroxyl and hydrogen cyanide at high temperature. <i>Proceedings of the Combustion Institute</i> , 1988 , 21, 919-927		9
8	Comment on "Automatic estimation of pressure-dependent rate coefficients" (J. W. Allen, C. F. Goldsmith, and W. H. Green, <i>Phys. Chem. Chem. Phys.</i> , 2011, 14, 1131-1155). <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8431-3; discussion 8434	3.6	8
7	Computational modeling of flame structure. <i>Physica D: Nonlinear Phenomena</i> , 1984 , 12, 198-211	3.3	8
6	Inhibitory effects of chlorophyllin on micronucleus formation induced by ethyl carbamate and its proximate and ultimate carcinogenic forms in mouse peripheral reticulocytes. <i>Environmental and Molecular Mutagenesis</i> , 1999 , 34, 57-60	3.2	7
5	Rich methane/air flames: Burning velocities, extinction limits, and flammability limit. <i>Proceedings of the Combustion Institute</i> , 1994 , 25, 1309-1315		7
4	Secondary decomposition of C ₃ H ₅ radicals formed by the photodissociation of 2-bromopropene. <i>Journal of Chemical Physics</i> , 2007 , 127, 144301	3.9	6
3	Synthesis of the hepatocarcinogen N-methyl-4-aminoazobenzene with tritium in the prime ring. <i>Journal of Labelled Compounds</i> , 1969 , 5, 257-260		3
2	Comparative carcinogenicities and reactivities of N-myristoyloxy-N-acetyl-2-aminofluorene and its 7-iodo derivative. <i>Carcinogenesis</i> , 1981 , 2, 655-9	4.6	2
1	Comment on "Influence of Multiple Conformations and Paths on Rate Constants and Product Branching Ratios. Thermal Decomposition of 1-Propanol Radicals". <i>Journal of Physical Chemistry A</i> , 2019 , 123, 1129-1130	2.8	1