Timothy K Minton

List of Publications by Year
in descending order

134 papers	4,474 citations	81900 39 h-index	123424 61 g-index
145 all docs	145 docs citations	145 times ranked	2619 citing authors

#	Article	IF	Citations
1	Stepwise Photocatalytic Dissociation of Methanol and Water on TiO₂(110). Journal of the American Chemical Society, 2012, 134, 13366-13373.	13.7	244
2	Atomic Oxygen Effects on POSS Polyimides in Low Earth Orbit. ACS Applied Materials & Interfaces, 2012, 4, 492-502.	8.0	164
3	Reactive and inelastic scattering dynamics of hyperthermal oxygen atoms on a saturated hydrocarbon surface. Journal of Chemical Physics, 2002, 117, 6239-6251.	3.0	151
4	Protection of polymer from atomic-oxygen erosion using Al2O3 atomic layer deposition coatings. Thin Solid Films, 2008, 516, 4036-4039.	1.8	125
5	Probing the microscopic corrugation of liquid surfaces with gas-liquid collisions. Physical Review Letters, 1993, 70, 1026-1029.	7.8	121
6	A crossed molecular beams study of the O(3P)+H2 reaction: Comparison of excitation function with accurate quantum reactive scattering calculations. Journal of Chemical Physics, 2003, 118, 1585-1588.	3.0	111
7	Protecting Polymers in Space with Atomic Layer Deposition Coatings. ACS Applied Materials & Interfaces, 2010, 2, 2515-2520.	8.0	101
8	Methyl Formate Production on TiO₂(110), Initiated by Methanol Photocatalysis at 400 nm. Journal of Physical Chemistry C, 2013, 117, 5293-5300.	3.1	100
9	An Investigation of the Resistance of Polyhedral Oligomeric Silsesquioxane Polyimide to Atomic-Oxygen Attack. High Performance Polymers, 2004, 16, 303-318.	1.8	97
10	Comparative dynamics of Cl(2P) and O(3P) interactions with a hydrocarbon surface. Journal of Chemical Physics, 2000, 112, 5975-5984.	3.0	95
11	Pyrolysis of Phenolic Impregnated Carbon Ablator (PICA). ACS Applied Materials & Interfaces, 2015, 7, 1383-1395.	8.0	95
12	Atomic-Oxygen-Durable and Electrically-Conductive CNT-POSS-Polyimide Flexible Films for Space Applications. ACS Applied Materials & Interfaces, 2015, 7, 12047-12056.	8.0	94
13	Resistance of POSS Polyimide Blends to Hyperthermal Atomic Oxygen Attack. ACS Applied Materials & Interfaces, 2016, 8, 33982-33992.	8.0	85
14	Nanosegregation and Structuring in the Bulk and at the Surface of Ionic-Liquid Mixtures. Journal of Physical Chemistry B, 2017, 121, 6002-6020.	2.6	82
15	Hyperthermal neutral beam etching. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1995, 13, 959-965.	2.1	78
16	Gas-Surface Dynamics and Profile Evolution during Etching of Silicon. Physical Review Letters, 1996, 77, 3049-3052.	7.8	73
17	Crossed beams and theoretical studies of the O(3P)+CH4â†'H+OCH3 reaction excitation function. Journal of Chemical Physics, 2004, 120, 731-739.	3.0	72
18	Spatially Anisotropic Etching of Graphite by Hyperthermal Atomic Oxygenâ€. Journal of Physical Chemistry B, 2005, 109, 8476-8480.	2.6	71

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19	DYNAMICS OF ATOMIC-OXYGEN-INDUCED POLYMER DEGRADATION IN LOW EARTH ORBIT. Advanced Series in Physical Chemistry, 2001, , 420-489.	1.5	71
20	Decomposition of Phenolic Impregnated Carbon Ablator (PICA) as a Function of Temperature and Heating Rate. ACS Applied Materials & Interfaces, 2017, 9, 21422-21437.	8.0	69
21	Effects of Thermal Roughening on the Angular Distributions of Trapping and Scattering in Gasâ^'Liquid Collisions. Journal of Physical Chemistry A, 1997, 101, 6556-6561.	2.5	65
22	Hyperthermal Reactions of O(3P) with Alkanes:â€‰ Observations of Novel Reaction Pathways in Crossed-Beams and Theoretical Studies. Journal of Physical Chemistry A, 2003, 107, 4583-4587.	2.5	64
23	Theoretical and Experimental Studies of the Reactions between Hyperthermal O(³P) and Graphite: Graphene-Based Direct Dynamics and Beam-Surface Scattering Approaches. Journal of Physical Chemistry A, 2009, 113, 4677-4685.	2.5	64
24	Reactive scattering of ground-state and electronically excited oxygen atoms on a liquid hydrocarbon surface. Faraday Discussions, 1997, 108, 387-399.	3.2	62
25	Experimental and Theoretical Investigations of the Inelastic and Reactive Scattering Dynamics of O(3P) + D2Ââ€. Journal of Physical Chemistry A, 2006, 110, 1327-1341.	2.5	61
26	Chemical Modification of Fluorinated Polyimides:Â New Thermally Curing Hybrid Polymers with POSS. Macromolecules, 2006, 39, 4710-4718.	4.8	61
27	Finite-Rate Oxidation Model for Carbon Surfaces from Molecular Beam Experiments. AIAA Journal, 2017, 55, 1644-1658.	2.6	61
28	Erosion of Kapton HÂ® by Hyperthermal Atomic Oxygen. Journal of Spacecraft and Rockets, 2006, 43, 421-425.	1.9	59
29	Strong Photon Energy Dependence of the Photocatalytic Dissociation Rate of Methanol on TiO₂(110). Journal of the American Chemical Society, 2013, 135, 19039-19045.	13.7	58
30	Inelastic and Reactive Scattering Dynamics of Hyperthermal O and O₂ on Hot Vitreous Carbon Surfaces. Journal of Physical Chemistry C, 2015, 119, 14780-14796.	3.1	57
31	Kinematics and dynamics of atomic-beam scattering on liquid and self-assembled monolayer surfaces. Faraday Discussions, 2012, 157, 355.	3.2	55
32	Hyperthermal Reactions of O and O2with a Hydrocarbon Surface:Â Direct Câ^'C Bond Breakage by O and H-Atom Abstraction by O2. Journal of Physical Chemistry B, 2006, 110, 12500-12511.	2.6	52
33	Photoinduced Decomposition of Formaldehyde on a TiO₂(110) Surface, Assisted by Bridge-Bonded Oxygen Atoms. Journal of Physical Chemistry Letters, 2013, 4, 2668-2673.	4.6	52
34	Scattering Dynamics of Hyperthermal Oxygen Atoms on Ionic Liquid Surfaces: [emim][NTf₂] and [C₁₂mim][NTf₂]. Journal of Physical Chemistry C, 2010, 114, 4015-4027.	3.1	49
35	Theoretical Studies of the O(3P) + Ethane Reaction. Journal of Physical Chemistry A, 2003, 107, 7161-7169.	2.5	47
36	Collision-Assisted Erosion of Hydrocarbon Polymers in Atomic-Oxygen Environments. High Performance Polymers, 2000, 12, 27-42.	1.8	43

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37	Oxidation and Etching of CVD Diamond by Thermal and Hyperthermal Atomic Oxygen. Journal of Physical Chemistry C, 2010, 114, 18996-19003.	3.1	43
38	Ionic Liquidâ€“Vacuum Interfaces Probed by Reactive Atom Scattering: Influence of Alkyl Chain Length and Anion Volume. Journal of Physical Chemistry C, 2015, 119, 5491-5505.	3.1	43
39	Inelastic Scattering Dynamics of Hyperthermal Fluorine Atoms on a Fluorinated Silicon Surface. Journal of Physical Chemistry A, 1997, 101, 6549-6555.	2.5	40
40	Morphological Changes at a Silver Surface Resulting from Exposure to Hyperthermal Atomic Oxygen. Journal of Physical Chemistry C, 2007, 111, 6763-6771.	3.1	40
41	Molecular Simulation of Carbon Ablation Using Beam Experiments and Resolved Microstructure. AIAA Journal, 2016, 54, 999-1010.	2.6	39
42	Development and validation of a finite-rate model for carbon oxidation by atomic oxygen. Carbon, 2018, 137, 313-332.	10.3	39
43	Energy Dependence of Hyperthermal Oxygen Atom Erosion of a Fluorocarbon Polymer: Relevance to Space Environmental Effects. ACS Applied Materials & Interfaces, 2010, 2, 1866-1871.	8.0	37
44	POSS enhanced 3D graphene - Polyimide film for atomic oxygen endurance in Low Earth Orbit space environment. Polymer, 2020, 191, 122270.	3.8	37
45	Crossed beams and theoretical studies of the dynamics of hyperthermal collisions between Ar and ethane. Journal of Chemical Physics, 2004, 121, 11702-11714.	3.0	35
46	Hyperthermal Ar atom scattering from a C(0001) surface. Journal of Chemical Physics, 2008, 128, 224708.	3.0	34
47	Dynamics of Graphite Oxidation at High Temperature. Journal of Physical Chemistry C, 2018, 122, 6602-6617.	3.1	32
48	Oxidation and nitridation of vitreous carbon at high temperatures. Carbon, 2020, 167, 388-402.	10.3	32
49	Temperature-dependent morphological evolution of HOPG graphite upon exposure to hyperthermal atoms. Progress in Organic Coatings, 2003, 47, 443-447.	3.9	31
50	Hyperthermal Oxidation of Graphite and Diamond. Accounts of Chemical Research, 2012, 45, 1973-1981.	15.6	31
51	Atomic and Molecular Collisions at Liquid Surfaces. Annual Review of Physical Chemistry, 2016, 67, 515-540.	10.8	31
52	Airâ€“Carbon Ablation Model for Hypersonic Flight from Molecular-Beam Data. AIAA Journal, 2022, 60, 627-640.	2.6	31
53	Crossed-Beams and Theoretical Studies of the O(³P) + H₂O â†’ HO₂ + H Reaction Excitation Function. Journal of Physical Chemistry A, 2007, 111, 10907-10913.	2.5	29
54	Nonreactive Scattering of N₂ from Layered Graphene Using Molecular Beam Experiments and Molecular Dynamics. Journal of Physical Chemistry C, 2018, 122, 9859-9874.	3.1	29

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55	Production of Volatile CO and CO2 from Oxidized Polyethylene and Graphite Surfaces by Hyperthermal Atomâ€“Surface Collisions. High Performance Polymers, 2001, 13, S467-S481.	1.8	28
56	Reactions of Solvated Electrons Initiated by Sodium Atom Ionization at the Vacuum-Liquid Interface. Science, 2012, 335, 1072-1075.	12.6	27
57	Gasâ€“Surface Scattering Dynamics Applied to Concentration of Gases for Mass Spectrometry in Tenuous Atmospheres. Journal of Physical Chemistry C, 2017, 121, 7903-7922.	3.1	27
58	Dynamics of Hyperthermal Collisions of O(3P) with CO. Journal of Physical Chemistry A, 2008, 112, 2192-2205.	2.5	24
59	Erosion of FEP Teflon and PMMA by VUV Radiation and Hyperthermal O or Ar Atoms. ACS Applied Materials & Interfaces, 2009, 1, 653-660.	8.0	24
60	Photodissociation of Cl2O at 248 and 308 nm. Journal of Chemical Physics, 1997, 107, 3337-3338.	3.0	23
61	Determining the composition of the vacuumâ€“liquid interface in ionic-liquid mixtures. Faraday Discussions, 2018, 206, 497-522.	3.2	23
62	Product-state-resolved dynamics of the elementary reaction of atomic oxygen with molecular hydrogen, O(3P)Â+ÂD2Âà†'ÂOD(X2Î)Â+ÂD. Nature Chemistry, 2013, 5, 315-319.	13.6	22
63	Dynamics of the O-Atom Exchange Reaction ¹⁶O(³P) + ¹⁸O¹⁸O(³Î£_g^{â€“}) â†' ¹⁶O¹⁸O(³Î£_g^{â€“}) + ¹⁸O(³P) at Hyperthermal Energies. Journal of Physical Chemistry A, 2016, 120, 5348-5359.	2.5	22
64	Gas-surface interactions of atomic nitrogen with vitreous carbon. Carbon, 2019, 150, 85-92.	10.3	22
65	Energy Accommodation in Hyperthermal Gas-Surface Collisions: Aerobraking in Planetary Atmospheres. Journal of Spacecraft and Rockets, 2004, 41, 389-396.	1.9	21
66	Scattering Dynamics of Oxygen Atoms on Imidazolium Tetrafluoroborate Ionic Liquid Surfaces: Dependence on Alkyl Chain Length. Journal of Physical Chemistry C, 2016, 120, 12472-12483.	3.1	21
67	Mechanistic Studies of Atomic Oxygen Reactions with Polymers and Combined Effects with Vacuum Ultraviolet Light. MRS Bulletin, 2010, 35, 35-40.	3.5	20
68	Beam-Surface Scattering Studies of the Individual and Combined Effects of VUV Radiation and Hyperthermal O, O₂, or Ar on FEP Teflon Surfaces. ACS Applied Materials & Interfaces, 2009, 1, 187-196.	8.0	19
69	Crossed-Beams Studies of the Dynamics of the H-Atom Abstraction Reaction, O(³P) + CH₄ â†' OH + CH₃, at Hyperthermal Collision Energies. Journal of Physical Chemistry A, 2011, 115, 10894-10902.	2.5	19
70	O(³P) + CO₂ Collisions at Hyperthermal Energies: Dynamics of Nonreactive Scattering, Oxygen Isotope Exchange, and Oxygen-Atom Abstraction. Journal of Physical Chemistry A, 2012, 116, 64-84.	2.5	19
71	Formation of Thin Oxide Films on Room-Temperature Silicon (100) by Exposure to a Neutral Beam of Hyperthermal Atomic and Molecular Oxygen. Japanese Journal of Applied Physics, 1998, 37, L1455-L1457.	1.5	18
72	Ground testing of an on-orbit atomic oxygen flux and ionizing radiation dose sensor based on material degradation by the space environment. Acta Astronautica, 2020, 173, 333-343.	3.2	18

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73	Structural comparisons of SiOx and Siâˆ•SiOx formed by the exposure of silicon (100) to molecular oxygen and to hyperthermal atomic oxygen. Journal of Applied Physics, 2005, 97, 023520.	2.5	17
74	Resistance of diamond (100) to hyperthermal atomic oxygen attack. Applied Physics Letters, 2009, 95, .	3.3	17
75	Crossed-Beam and Theoretical Studies of the O(³P, ¹D) + Benzene Reactions: Primary Products, Branching Fractions, and Role of Intersystem Crossing. Journal of Physical Chemistry A, 2021, 125, 8434-8453.	2.5	16
76	Unusual Mechanisms Can Dominate Reactions at Hyperthermal Energies: An Example from O(³P) + HCl â†' ClO + H. Journal of the American Chemical Society, 2008, 130, 8896-8897.	13.7	15
77	Hyperthermal O-Atom Exchange Reaction O₂ + CO₂ through a CO₄ Intermediate. Journal of the American Chemical Society, 2009, 131, 13940-13942.	13.7	15
78	Hiding the Headgroup? Remarkable Similarity in Alkyl Coverage of the Surfaces of Pyrrolidinium- and Imidazolium-Based Ionic Liquids. Journal of Physical Chemistry C, 2016, 120, 27369-27379.	3.1	15
79	Experimental and Theoretical Investigations of the Inelastic and Reactive Scattering Dynamics of O(3P) Collisions with Ethane. Journal of Physical Chemistry A, 2009, 113, 4722-4738.	2.5	14
80	Homogeneous Silica Formed by the Oxidation of Si(100) in Hyperthermal Atomic Oxygen. Journal of Spacecraft and Rockets, 2006, 43, 431-435.	1.9	13
81	Collisions of Sodium Atoms with Liquid Glycerol: Insights into Solvation and Ionization. Journal of the American Chemical Society, 2014, 136, 3065-3074.	13.7	13
82	Exploring reactivity and product formation in N(4S) collisions with pristine and defected graphene with direct dynamics simulations. Journal of Chemical Physics, 2020, 153, 184702.	3.0	13
83	Nucleation and Growth of Nanoscale to Microscale Cylindrical Pits in Highly-ordered Pyrolytic Graphite upon Hyperthermal Atomic Oxygen Exposure. High Performance Polymers, 2004, 16, 197-206.	1.8	12
84	Effect of Ultraviolet Radiation from an Oxygen Plasma on the Atomic Oxygen-induced Etching of Fluorinated Polymer. High Performance Polymers, 2010, 22, 213-224.	1.8	12
85	Complete State-Resolved Non-Adiabatic Dynamics of the O(³P) + D₂ â†' OD(X²Î) + D Reaction. Journal of the American Chemical Society, 2014, 136, 12371-12384.	13.7	12
86	Elementary processes in photocatalysis of methanol and water on rutile TiO2(110): A new picture of photocatalysis. Chinese Journal of Catalysis, 2015, 36, 1649-1655.	14.0	12
87	Rethinking Chemical Reactions at Hyperthermal Energies. Science, 2012, 336, 1650-1651.	12.6	11
88	Probing Conformational Heterogeneity at the Ionic Liquidâ€"Vacuum Interface by Reactive-Atom Scattering. Journal of Physical Chemistry Letters, 2019, 10, 156-163.	4.6	11
89	POSS-enhanced colorless organic/inorganic nanocomposite (CORINÂ®) for atomic oxygen resistance in low earth orbit. CEAS Space Journal, 2021, 13, 399-413.	2.3	11
90	On the Utility of Coated POSS-Polyimides for Vehicles in Very Low Earth Orbit. ACS Applied Materials & Interfaces, 2021, 13, 51673-51684.	8.0	11

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91	Properties and Improved Space Survivability of POSS (Polyhedral Oligomeric Silsesquioxane) Polyimides. Materials Research Society Symposia Proceedings, 2004, 851, 487.	0.1	10
92	Direct Dynamics Simulations of Hyperthermal O(3P) Collisions with Pristine, Defected, Oxygenated, and Nitridated Graphene Surfaces. Journal of Physical Chemistry C, 2021, 125, 9795-9808.	3.1	10
93	Space Survivability of Main-Chain and Side-Chain POSS-Kapton Polyimides. , 2009, , .		10
94	Reactive-Atom Scattering from Liquid Crystals at the Liquidâ€“Vacuum Interface: [C₁₂mim][BF₄] and 4-Cyano-4â€²-Octylbiphenyl (8CB). Langmuir, 2016, 32, 9938-9949.	3.5	9
95	Crossed-Beams and Theoretical Studies of Hyperthermal Reactions of O(3P) with HCl. Journal of Physical Chemistry A, 2010, 114, 4905-4916.	2.5	8
96	Theoretical Studies of the Erosion of (100) and (111) Diamond Surfaces by Hyperthermal O(³P). Journal of Physical Chemistry C, 2011, 115, 14770-14777.	3.1	8
97	Production of a Biomimetic Fe^(I)-S Phase on Pyrite by Atomic Hydrogen Beam Surface Reactive Scattering. Langmuir, 2011, 27, 6814-6821.	3.5	8
98	Effects of hyperthermal atomic oxygen on a cyanate ester and its carbon fiber-reinforced composite. High Performance Polymers, 2019, 31, 472-482.	1.8	8
99	Surface Structure of Alkyl/Fluoroalkylimidazolium Ionicâ€“Liquid Mixtures. Journal of Physical Chemistry B, 2022, 126, 1962-1979.	2.6	8
100	Comparisons of Polyhedral Oligomeric Silsesquioxane Polyimides as Space-Survivable Materials. ACS Symposium Series, 2007, , 140-152.	0.5	7
101	Molecular simulations of surface ablation using reaction probabilities from molecular beam experiments and realistic microstructure. , 2015, , .		7
102	Study of non-reactive scattering from graphene using molecular beam experiments and molecular dynamics. AIP Conference Proceedings, 2016, , .	0.4	7
103	Scattering Dynamics of Nitromethane and Methyl Formate on Highly Oriented Pyrolytic Graphite (HOPG). Journal of Physical Chemistry C, 2018, 122, 16178-16188.	3.1	7
104	Scattering-Angle Randomization in Nonthermal Gasâ€“Liquid Collisions. Journal of Physical Chemistry C, 2019, 123, 22887-22896.	3.1	7
105	Scattering Dynamics of Glycine, H2O, and CO2 on Highly Oriented Pyrolytic Graphite. Journal of Physical Chemistry C, 2019, 123, 3605-3621.	3.1	7
106	DSMC Analysis of Molecular Beam Experiments for Oxidation of Carbon Based Ablators. , 2017, , .		5
107	Resistance of nanoclay reinforced epoxy composites to hyperthermal atomic oxygen attack. Chinese Journal of Chemical Physics, 2019, 32, 543-552.	1.3	5
108	Probing a Ruthenium Coordination Complex at the Ionic Liquidâ€“Vacuum Interface with Reactive-Atom Scattering, X-ray Photoelectron Spectroscopy, and Time-of-Flight Secondary Ion Mass Spectrometry. Journal of Physical Chemistry C, 2020, 124, 382-397.	3.1	5

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109	Air-Carbon Ablation Model for Hypersonic Flight from Molecular Beam Data. , 2021, , .		5
110	Insights into adsorption, diffusion, and reactions of atomic nitrogen on a highly oriented pyrolytic graphite surface. Journal of Chemical Physics, 2021, 154, 074708.	3.0	5
111	Effect of Hyperthermal Atomic Oxygen on Space-Grade CV-1144-0 Silicone. ACS Applied Polymer Materials, 2022, 4, 3627-3635.	4.4	5
112	Electronic Population Inversion in HCCO/DCCO Products from Hyperthermal Collisions of O(³P) with HCCH/DCCD. Journal of Physical Chemistry Letters, 2013, 4, 1315-1321.	4.6	4
113	Effect of N Atoms on O-Atom Reactivity with Carbon. Journal of Spacecraft and Rockets, 2021, 58, 906-909.	1.9	4
114	Reactive and inelastic scattering dynamics of hyperthermal O and O2 from a carbon fiber network. Carbon, 2021, 183, 277-290.	10.3	4
115	EROSION OF KAPTON H BY HYPERTHERMAL ATOMIC OXYGEN: DEPENDENCE ON O-ATOM FLUENCE AND SURFACE TEMPERATURE. , 2006, , 317-329.		4
116	Dynamics of Inelastic and Reactive Collisions of ¹⁶O(³P) with ¹⁵N¹⁸O. Journal of Physical Chemistry A, 2022, 126, 2091-2102.	2.5	4
117	Finite-rate oxidation model for carbon surfaces from molecular beam experiments. , 2016, , .		3
118	DSMC Analysis of Molecular Beam Experiments on Light-Weight Carbon Preform Ablators. , 2017, , .		3
119	Monitoring Of Direct Reactions During Etching Of Silicon. Materials Research Society Symposia Proceedings, 1995, 406, 33.	0.1	2
120	Increased Ordering in the Amorphous SiOx due to Hyperthermal Atomic Oxygen.. Materials Research Society Symposia Proceedings, 2004, 851, 517.	0.1	2
121	The JPC Periodic Table. Journal of Physical Chemistry A, 2019, 123, 5837-5848.	2.5	2
122	The JPC Periodic Table. Journal of Physical Chemistry Letters, 2019, 10, 4051-4062.	4.6	2
123	Inelastic scattering dynamics of naphthalene and 2-octanone on highly oriented pyrolytic graphite. Journal of Chemical Physics, 2020, 152, 244709.	3.0	2
124	Structural Characterization of Oxide layers on Aluminum Formed by Exposure to Hyperthermal Atomic Oxygen. Materials Research Society Symposia Proceedings, 2004, 851, 51.	0.1	1
125	The JPC Periodic Table. Journal of Physical Chemistry B, 2019, 123, 5973-5984.	2.6	1
126	The JPC Periodic Table. Journal of Physical Chemistry C, 2019, 123, 17063-17074.	3.1	1

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127	Crossed beam study on the F+D2â†'DF+D reaction at hyperthermal collision energy of 23.84â€…kJ/mol. Chinese Journal of Chemical Physics, 2019, 32, 151-156.	1.3	1
128	Correction: Gas-Surface Model in DSMC for Molecules Passing Through a Funnel-Type Gas Concentrator. , 2019, , .		1
129	Evaluating Density Functionals by Examining Molecular Structures, Chemical Bonding, and Relative Energies of Mononuclear Ruâ€"Clâ€"Hâ€"PR3 Isomers. Journal of Physical Chemistry A, 2019, 123, 343-358.	2.5	1
130	Gas-Surface Model in DSMC for Molecules Passing Through a Funnel-Type Gas Concentrator. , 2019, , .		1
131	Protection of Polymers from the Space Environment by Atomic Layer Deposition. , 2009, , .		0
132	Inelastic and Reactive Scattering Dynamics of Hyperthermal Oxygen Atoms on Ionic Liquid Surfaces: [emim][NTf[sub 2]] and [C[sub 12]mim][NTf[sub 2]]. , 2011, , .		0
133	Crossed-Beams and Theoretical Studies of Hyperthermal Reactions of O([sup 3]P) with HCl and H[sub 2]O. , 2011, , .		0
134	Suitability of Technology-Driven Research for the Journal of Physical Chemistry C. Journal of Physical Chemistry C, 2017, 121, 27254-27255.	3.1	0