

Timothy K Minton

List of Publications by Year in descending order

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145
times ranked

2619
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#	ARTICLE	IF	CITATIONS
1	Air-Carbon Ablation Model for Hypersonic Flight from Molecular-Beam Data. <i>AIAA Journal</i> , 2022, 60, 627-640.	2.6	31
2	Surface Structure of Alkyl/Fluoroalkylimidazolium Ionic-Liquid Mixtures. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1962-1979.	2.6	8
3	Dynamics of Inelastic and Reactive Collisions of $O(^3P)$ with $N(^2O)$. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2091-2102.	2.5	4
4	Effect of Hyperthermal Atomic Oxygen on Space-Grade CV-1144-0 Silicone. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3627-3635.	4.4	5
5	Air-Carbon Ablation Model for Hypersonic Flight from Molecular Beam Data. , 2021, , .		5
6	Insights into adsorption, diffusion, and reactions of atomic nitrogen on a highly oriented pyrolytic graphite surface. <i>Journal of Chemical Physics</i> , 2021, 154, 074708.	3.0	5
7	POSS-enhanced colorless organic/inorganic nanocomposite (CORINÂ®) for atomic oxygen resistance in low earth orbit. <i>CEAS Space Journal</i> , 2021, 13, 399-413.	2.3	11
8	Direct Dynamics Simulations of Hyperthermal $O(^3P)$ Collisions with Pristine, Defected, Oxygenated, and Nitridated Graphene Surfaces. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9795-9808.	3.1	10
9	Effect of N Atoms on O-Atom Reactivity with Carbon. <i>Journal of Spacecraft and Rockets</i> , 2021, 58, 906-909.	1.9	4
10	Crossed-Beam and Theoretical Studies of the $O(^3P, ^1D) + \text{Benzene}$ Reactions: Primary Products, Branching Fractions, and Role of Intersystem Crossing. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8434-8453.	2.5	16
11	Reactive and inelastic scattering dynamics of hyperthermal O and O ₂ from a carbon fiber network. <i>Carbon</i> , 2021, 183, 277-290.	10.3	4
12	On the Utility of Coated POSS-Polyimides for Vehicles in Very Low Earth Orbit. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51673-51684.	8.0	11
13	Probing a Ruthenium Coordination Complex at the Ionic Liquid-Vacuum Interface with Reactive-Atom Scattering, X-ray Photoelectron Spectroscopy, and Time-of-Flight Secondary Ion Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2020, 124, 382-397.	3.1	5
14	Exploring reactivity and product formation in $N(^4S)$ collisions with pristine and defected graphene with direct dynamics simulations. <i>Journal of Chemical Physics</i> , 2020, 153, 184702.	3.0	13
15	Oxidation and nitridation of vitreous carbon at high temperatures. <i>Carbon</i> , 2020, 167, 388-402.	10.3	32
16	Inelastic scattering dynamics of naphthalene and 2-octanone on highly oriented pyrolytic graphite. <i>Journal of Chemical Physics</i> , 2020, 152, 244709.	3.0	2
17	Ground testing of an on-orbit atomic oxygen flux and ionizing radiation dose sensor based on material degradation by the space environment. <i>Acta Astronautica</i> , 2020, 173, 333-343.	3.2	18
18	POSS enhanced 3D graphene - Polyimide film for atomic oxygen endurance in Low Earth Orbit space environment. <i>Polymer</i> , 2020, 191, 122270.	3.8	37

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19	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
20	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry A, 2019, 123, 5837-5848.	2.5	2
21	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry B, 2019, 123, 5973-5984.	2.6	1
22	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry C, 2019, 123, 17063-17074.	3.1	1
23	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry Letters, 2019, 10, 4051-4062.	4.6	2
24	Crossed beam study on the F+D2 ⁺ DF+D reaction at hyperthermal collision energy of 23.84 eV. Chinese Journal of Chemical Physics, 2019, 32, 151-156.	1.3	1
25	Scattering-Angle Randomization in Nonthermal Gas-Liquid Collisions. Journal of Physical Chemistry C, 2019, 123, 22887-22896.	3.1	7
26	Scattering Dynamics of Glycine, H2O, and CO2 on Highly Oriented Pyrolytic Graphite. Journal of Physical Chemistry C, 2019, 123, 3605-3621.	3.1	7
27	Gas-surface interactions of atomic nitrogen with vitreous carbon. Carbon, 2019, 150, 85-92.	10.3	22
28	Correction: Gas-Surface Model in DSMC for Molecules Passing Through a Funnel-Type Gas Concentrator. , 2019, , .		1
29	Resistance of nanoclay reinforced epoxy composites to hyperthermal atomic oxygen attack. Chinese Journal of Chemical Physics, 2019, 32, 543-552.	1.3	5
30	Probing Conformational Heterogeneity at the Ionic Liquid-Vacuum Interface by Reactive-Atom Scattering. Journal of Physical Chemistry Letters, 2019, 10, 156-163.	4.6	11
31	Evaluating Density Functionals by Examining Molecular Structures, Chemical Bonding, and Relative Energies of Mononuclear Ru-Cl-H-PR3 Isomers. Journal of Physical Chemistry A, 2019, 123, 343-358.	2.5	1
32	Gas-Surface Model in DSMC for Molecules Passing Through a Funnel-Type Gas Concentrator. , 2019, , .		1
33	Dynamics of Graphite Oxidation at High Temperature. Journal of Physical Chemistry C, 2018, 122, 6602-6617.	3.1	32
34	Determining the composition of the vacuum-liquid interface in ionic-liquid mixtures. Faraday Discussions, 2018, 206, 497-522.	3.2	23
35	Development and validation of a finite-rate model for carbon oxidation by atomic oxygen. Carbon, 2018, 137, 313-332.	10.3	39
36	Nonreactive Scattering of N ₂ 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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37	Scattering Dynamics of Nitromethane and Methyl Formate on Highly Oriented Pyrolytic Graphite (HOPG). <i>Journal of Physical Chemistry C</i> , 2018, 122, 16178-16188.	3.1	7
38	DSMC Analysis of Molecular Beam Experiments for Oxidation of Carbon Based Ablators. , 2017, , .		5
39	Nanosegregation and Structuring in the Bulk and at the Surface of Ionic-Liquid Mixtures. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6002-6020.	2.6	82
40	Gas-Phase Surface Scattering Dynamics Applied to Concentration of Gases for Mass Spectrometry in Tenuous Atmospheres. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7903-7922.	3.1	27
41	Decomposition of Phenolic Impregnated Carbon Ablator (PICA) as a Function of Temperature and Heating Rate. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21422-21437.	8.0	69
42	DSMC Analysis of Molecular Beam Experiments on Light-Weight Carbon Preform Ablators. , 2017, , .		3
43	Finite-Rate Oxidation Model for Carbon Surfaces from Molecular Beam Experiments. <i>AIAA Journal</i> , 2017, 55, 1644-1658.	2.6	61
44	Suitability of Technology-Driven Research for the Journal of Physical Chemistry C. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27254-27255.	3.1	0
45	Hiding the Headgroup? Remarkable Similarity in Alkyl Coverage of the Surfaces of Pyrrolidinium- and Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27369-27379.	3.1	15
46	Study of non-reactive scattering from graphene using molecular beam experiments and molecular dynamics. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	7
47	Atomic and Molecular Collisions at Liquid Surfaces. <i>Annual Review of Physical Chemistry</i> , 2016, 67, 515-540.	10.8	31
48	Dynamics of the O-Atom Exchange Reaction $\text{O}(\text{sup}3\text{P}) + \text{O}(\text{sup}1\text{D}) \rightarrow \text{O}(\text{sup}3\text{P}) + \text{O}(\text{sup}1\text{D})$ at Hypersonic Energies. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5348-5359.	2.5	22
49	Reactive-Atom Scattering from Liquid Crystals at the Liquid-Vacuum Interface: $[\text{C}_{12}\text{mim}][\text{BF}_4]$ and 4-Cyano-4'-Octylbiphenyl (8CB). <i>Langmuir</i> , 2016, 32, 9938-9949.	3.5	9
50	Resistance of POSS Polyimide Blends to Hyperthermal Atomic Oxygen Attack. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33982-33992.	8.0	85
51	Finite-rate oxidation model for carbon surfaces from molecular beam experiments. , 2016, , .		3
52	Scattering Dynamics of Oxygen Atoms on Imidazolium Tetrafluoroborate Ionic Liquid Surfaces: Dependence on Alkyl Chain Length. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12472-12483.	3.1	21
53	Molecular Simulation of Carbon Ablation Using Beam Experiments and Resolved Microstructure. <i>AIAA Journal</i> , 2016, 54, 999-1010.	2.6	39
54	Atomic-Oxygen-Durable and Electrically-Conductive CNT-POSS-Polyimide Flexible Films for Space Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12047-12056.	8.0	94

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55	Molecular simulations of surface ablation using reaction probabilities from molecular beam experiments and realistic microstructure. , 2015, , .		7
56	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
57	Inelastic and Reactive Scattering Dynamics of Hyperthermal O and O ₂ on Hot Vitreous Carbon Surfaces. Journal of Physical Chemistry C, 2015, 119, 14780-14796.	3.1	57
58	Elementary processes in photocatalysis of methanol and water on rutile TiO ₂ (110): A new picture of photocatalysis. Chinese Journal of Catalysis, 2015, 36, 1649-1655.	14.0	12
59	Pyrolysis of Phenolic Impregnated Carbon Ablator (PICA). ACS Applied Materials & Interfaces, 2015, 7, 1383-1395.	8.0	95
60	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
61	Complete State-Resolved Non-Adiabatic Dynamics of the O(³ P) + D ₂ â†’ OD(X ²) + D Reaction. Journal of the American Chemical Society, 2014, 136, 12371-12384.	13.7	12
62	Photoinduced Decomposition of Formaldehyde on a TiO ₂ (110) Surface, Assisted by Bridge-Bonded Oxygen Atoms. Journal of Physical Chemistry Letters, 2013, 4, 2668-2673.	4.6	52
63	Methyl Formate Production on TiO ₂ (110), Initiated by Methanol Photocatalysis at 400 nm. Journal of Physical Chemistry C, 2013, 117, 5293-5300.	3.1	100
64	Product-state-resolved dynamics of the elementary reaction of atomic oxygen with molecular hydrogen, O(3P) + D ₂ â†’ OD(X ²) + D. Nature Chemistry, 2013, 5, 315-319.	13.6	22
65	Electronic Population Inversion in HCCO/DCCO Products from Hyperthermal Collisions of O(³ P) with HCCH/DCCD. Journal of Physical Chemistry Letters, 2013, 4, 1315-1321.	4.6	4
66	Strong Photon Energy Dependence of the Photocatalytic Dissociation Rate of Methanol on TiO ₂ (110). Journal of the American Chemical Society, 2013, 135, 19039-19045.	13.7	58
67	Hyperthermal Oxidation of Graphite and Diamond. Accounts of Chemical Research, 2012, 45, 1973-1981.	15.6	31
68	O(³ P) + CO ₂ 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
69	Stepwise Photocatalytic Dissociation of Methanol and Water on TiO ₂ (110). Journal of the American Chemical Society, 2012, 134, 13366-13373.	13.7	244
70	Reactions of Solvated Electrons Initiated by Sodium Atom Ionization at the Vacuum-Liquid Interface. Science, 2012, 335, 1072-1075.	12.6	27
71	Kinematics and dynamics of atomic-beam scattering on liquid and self-assembled monolayer surfaces. Faraday Discussions, 2012, 157, 355.	3.2	55
72	Atomic Oxygen Effects on POSS Polyimides in Low Earth Orbit. ACS Applied Materials & Interfaces, 2012, 4, 492-502.	8.0	164

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73	Rethinking Chemical Reactions at Hyperthermal Energies. <i>Science</i> , 2012, 336, 1650-1651.	12.6	11
74	Theoretical Studies of the Erosion of (100) and (111) Diamond Surfaces by Hyperthermal O(³ P). <i>Journal of Physical Chemistry C</i> , 2011, 115, 14770-14777.	3.1	8
75	Production of a Biomimetic Fe(^I)-S Phase on Pyrite by Atomic Hydrogen Beam Surface Reactive Scattering. <i>Langmuir</i> , 2011, 27, 6814-6821.	3.5	8
76	Crossed-Beams Studies of the Dynamics of the H-Atom Abstraction Reaction, O(³ P) + CH ₄ → OH + CH ₃ , at Hyperthermal Collision Energies. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10894-10902.	2.5	19
77	Inelastic and Reactive Scattering Dynamics of Hyperthermal Oxygen Atoms on Ionic Liquid Surfaces: [emim][NTf ₂] and [C ₁₂ mim][NTf ₂], 2011, , .		0
78	Crossed-Beams and Theoretical Studies of Hyperthermal Reactions of O(³ P) with HCl and H ₂ O, 2011, , .		0
79	Protecting Polymers in Space with Atomic Layer Deposition Coatings. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2515-2520.	8.0	101
80	Effect of Ultraviolet Radiation from an Oxygen Plasma on the Atomic Oxygen-induced Etching of Fluorinated Polymer. <i>High Performance Polymers</i> , 2010, 22, 213-224.	1.8	12
81	Mechanistic Studies of Atomic Oxygen Reactions with Polymers and Combined Effects with Vacuum Ultraviolet Light. <i>MRS Bulletin</i> , 2010, 35, 35-40.	3.5	20
82	Scattering Dynamics of Hyperthermal Oxygen Atoms on Ionic Liquid Surfaces: [emim][NTf ₂] and [C ₁₂ mim][NTf ₂]. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4015-4027.	3.1	49
83	Crossed-Beams and Theoretical Studies of Hyperthermal Reactions of O(³ P) with HCl. <i>Journal of Physical Chemistry A</i> , 2010, 114, 4905-4916.	2.5	8
84	Energy Dependence of Hyperthermal Oxygen Atom Erosion of a Fluorocarbon Polymer: Relevance to Space Environmental Effects. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1866-1871.	8.0	37
85	Oxidation and Etching of CVD Diamond by Thermal and Hyperthermal Atomic Oxygen. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18996-19003.	3.1	43
86	Resistance of diamond (100) to hyperthermal atomic oxygen attack. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	17
87	Theoretical and Experimental Studies of the Reactions between Hyperthermal O(³ P) and Graphite: Graphene-Based Direct Dynamics and Beam-Surface Scattering Approaches. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4677-4685.	2.5	64
88	Erosion of FEP Teflon and PMMA by VUV Radiation and Hyperthermal O or Ar Atoms. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 653-660.	8.0	24
89	Hyperthermal O-Atom Exchange Reaction O ₂ + CO ₂ through a CO ₄ Intermediate. <i>Journal of the American Chemical Society</i> , 2009, 131, 13940-13942.	13.7	15
90	Protection of Polymers from the Space Environment by Atomic Layer Deposition. , 2009, , .		0

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91	Beam-Surface Scattering Studies of the Individual and Combined Effects of VUV Radiation and Hyperthermal O, O ₂ , or Ar on FEP Teflon Surfaces. ACS Applied Materials & Interfaces, 2009, 1, 187-196.	8.0	19
92	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
93	Space Survivability of Main-Chain and Side-Chain POSS-Kapton Polyimides. , 2009, , .		10
94	Protection of polymer from atomic-oxygen erosion using Al ₂ O ₃ atomic layer deposition coatings. Thin Solid Films, 2008, 516, 4036-4039.	1.8	125
95	Dynamics of Hyperthermal Collisions of O(3P) with CO. Journal of Physical Chemistry A, 2008, 112, 2192-2205.	2.5	24
96	Unusual Mechanisms Can Dominate Reactions at Hyperthermal Energies: An Example from O(³ P) + HCl → ClO + H. Journal of the American Chemical Society, 2008, 130, 8896-8897.	13.7	15
97	Hyperthermal Ar atom scattering from a C(0001) surface. Journal of Chemical Physics, 2008, 128, 224708.	3.0	34
98	Comparisons of Polyhedral Oligomeric Silsesquioxane Polyimides as Space-Survivable Materials. ACS Symposium Series, 2007, , 140-152.	0.5	7
99	Crossed-Beams and Theoretical Studies of the O(³ P) + H ₂ O → HO ₂ + H Reaction Excitation Function. Journal of Physical Chemistry A, 2007, 111, 10907-10913.	2.5	29
100	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
101	Hyperthermal Reactions of O and O ₂ with a Hydrocarbon Surface: A Direct C-C Bond Breakage by O and H-Atom Abstraction by O ₂ . Journal of Physical Chemistry B, 2006, 110, 12500-12511.	2.6	52
102	Experimental and Theoretical Investigations of the Inelastic and Reactive Scattering Dynamics of O(3P) + D ₂ . Journal of Physical Chemistry A, 2006, 110, 1327-1341.	2.5	61
103	Chemical Modification of Fluorinated Polyimides: A New Thermally Curing Hybrid Polymers with POSS. Macromolecules, 2006, 39, 4710-4718.	4.8	61
104	Erosion of Kapton H [®] by Hyperthermal Atomic Oxygen. Journal of Spacecraft and Rockets, 2006, 43, 421-425.	1.9	59
105	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
106	EROSION OF KAPTON H BY HYPERTHERMAL ATOMIC OXYGEN: DEPENDENCE ON O-ATOM FLUENCE AND SURFACE TEMPERATURE. , 2006, , 317-329.		4
107	Structural comparisons of SiO _x and Si [*] SiO _x 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
108	Spatially Anisotropic Etching of Graphite by Hyperthermal Atomic Oxygen. Journal of Physical Chemistry B, 2005, 109, 8476-8480.	2.6	71

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109	Crossed beams and theoretical studies of the dynamics of hyperthermal collisions between Ar and ethane. <i>Journal of Chemical Physics</i> , 2004, 121, 11702-11714.	3.0	35
110	Crossed beams and theoretical studies of the O(3P)+CH ₄ +H+OCH ₃ reaction excitation function. <i>Journal of Chemical Physics</i> , 2004, 120, 731-739.	3.0	72
111	Increased Ordering in the Amorphous SiO _x due to Hyperthermal Atomic Oxygen.. <i>Materials Research Society Symposia Proceedings</i> , 2004, 851, 517.	0.1	2
112	Nucleation and Growth of Nanoscale to Microscale Cylindrical Pits in Highly-ordered Pyrolytic Graphite upon Hyperthermal Atomic Oxygen Exposure. <i>High Performance Polymers</i> , 2004, 16, 197-206.	1.8	12
113	Properties and Improved Space Survivability of POSS (Polyhedral Oligomeric Silsesquioxane) Polyimides. <i>Materials Research Society Symposia Proceedings</i> , 2004, 851, 487.	0.1	10
114	Structural Characterization of Oxide layers on Aluminum Formed by Exposure to Hyperthermal Atomic Oxygen. <i>Materials Research Society Symposia Proceedings</i> , 2004, 851, 51.	0.1	1
115	An Investigation of the Resistance of Polyhedral Oligomeric Silsesquioxane Polyimide to Atomic-Oxygen Attack. <i>High Performance Polymers</i> , 2004, 16, 303-318.	1.8	97
116	Energy Accommodation in Hyperthermal Gas-Surface Collisions: Aerobraking in Planetary Atmospheres. <i>Journal of Spacecraft and Rockets</i> , 2004, 41, 389-396.	1.9	21
117	Temperature-dependent morphological evolution of HOPG graphite upon exposure to hyperthermal atoms. <i>Progress in Organic Coatings</i> , 2003, 47, 443-447.	3.9	31
118	Hyperthermal Reactions of O(3P) with Alkanes: Observations of Novel Reaction Pathways in Crossed-Beams and Theoretical Studies. <i>Journal of Physical Chemistry A</i> , 2003, 107, 4583-4587.	2.5	64
119	Theoretical Studies of the O(3P) + Ethane Reaction. <i>Journal of Physical Chemistry A</i> , 2003, 107, 7161-7169.	2.5	47
120	A crossed molecular beams study of the O(3P)+H ₂ reaction: Comparison of excitation function with accurate quantum reactive scattering calculations. <i>Journal of Chemical Physics</i> , 2003, 118, 1585-1588.	3.0	111
121	Reactive and inelastic scattering dynamics of hyperthermal oxygen atoms on a saturated hydrocarbon surface. <i>Journal of Chemical Physics</i> , 2002, 117, 6239-6251.	3.0	151
122	Production of Volatile CO and CO ₂ from Oxidized Polyethylene and Graphite Surfaces by Hyperthermal Atomic Surface Collisions. <i>High Performance Polymers</i> , 2001, 13, S467-S481.	1.8	28
123	DYNAMICS OF ATOMIC-OXYGEN-INDUCED POLYMER DEGRADATION IN LOW EARTH ORBIT. <i>Advanced Series in Physical Chemistry</i> , 2001, , 420-489.	1.5	71
124	Collision-Assisted Erosion of Hydrocarbon Polymers in Atomic-Oxygen Environments. <i>High Performance Polymers</i> , 2000, 12, 27-42.	1.8	43
125	Comparative dynamics of Cl(2P) and O(3P) interactions with a hydrocarbon surface. <i>Journal of Chemical Physics</i> , 2000, 112, 5975-5984.	3.0	95
126	Formation of Thin Oxide Films on Room-Temperature Silicon (100) by Exposure to a Neutral Beam of Hyperthermal Atomic and Molecular Oxygen. <i>Japanese Journal of Applied Physics</i> , 1998, 37, L1455-L1457.	1.5	18

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127	Photodissociation of Cl ₂ O at 248 and 308 nm. Journal of Chemical Physics, 1997, 107, 3337-3338.	3.0	23
128	Effects of Thermal Roughening on the Angular Distributions of Trapping and Scattering in Gas-Liquid Collisions. Journal of Physical Chemistry A, 1997, 101, 6556-6561.	2.5	65
129	Inelastic Scattering Dynamics of Hyperthermal Fluorine Atoms on a Fluorinated Silicon Surface. Journal of Physical Chemistry A, 1997, 101, 6549-6555.	2.5	40
130	Reactive scattering of ground-state and electronically excited oxygen atoms on a liquid hydrocarbon surface. Faraday Discussions, 1997, 108, 387-399.	3.2	62
131	Gas-Surface Dynamics and Profile Evolution during Etching of Silicon. Physical Review Letters, 1996, 77, 3049-3052.	7.8	73
132	Monitoring Of Direct Reactions During Etching Of Silicon. Materials Research Society Symposia Proceedings, 1995, 406, 33.	0.1	2
133	Hyperthermal neutral beam etching. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1995, 13, 959-965.	2.1	78
134	Probing the microscopic corrugation of liquid surfaces with gas-liquid collisions. Physical Review Letters, 1993, 70, 1026-1029.	7.8	121