

# Michael J Pellin

## List of Publications by Year in descending order

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214  
papers

11,159  
citations

25034

57  
h-index

36028

97  
g-index

222  
all docs

222  
docs citations

222  
times ranked

12575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative Dehydrogenation of Cyclohexane by Cu vs Pd Clusters: Selectivity Control by Specific Cluster Dynamics. <i>ChemCatChem</i> , 2020, 12, 1307-1315.	3.7	21
2	Structural reversibility of Cu doped NU-1000 MOFs under hydrogenation conditions. <i>Journal of Chemical Physics</i> , 2020, 152, 084703.	3.0	16
3	Dynamic Interplay between Copper Tetramers and Iron Oxide Boosting CO <sub>2</sub> Conversion to Methanol and Hydrocarbons under Mild Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14435-14442.	6.7	19
4	Mapping XANES spectra on structural descriptors of copper oxide clusters using supervised machine learning. <i>Journal of Chemical Physics</i> , 2019, 151, 164201.	3.0	60
5	Presolar Silicon Carbide Grains of Types Y and Z: Their Molybdenum Isotopic Compositions and Stellar Origins. <i>Astrophysical Journal</i> , 2019, 881, 28.	4.5	23
6	Molybdenum Isotopes in Presolar Silicon Carbide Grains: Details of s-process Nucleosynthesis in Parent Stars and Implications for r- and p-processes. <i>Astrophysical Journal</i> , 2019, 877, 101.	4.5	27
7	Nanoassemblies of ultrasmall clusters with remarkable activity in carbon dioxide conversion into C1 fuels. <i>Nanoscale</i> , 2019, 11, 4683-4687.	5.6	8
8	Acid-Compatible Halide Perovskite Photocathodes Utilizing Atomic Layer Deposited TiO <sub>2</sub> for Solar-Driven Hydrogen Evolution. <i>ACS Energy Letters</i> , 2019, 4, 293-298.	17.4	75
9	Using first principles calculations to interpret XANES experiments: extracting the size-dependence of the (p, T) phase diagram of sub-nanometer Cu clusters in an O <sub>2</sub> environment. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 144002.	1.8	6
10	New Constraints on the Abundance of <sup>60</sup> Fe in the Early Solar System. <i>Astrophysical Journal Letters</i> , 2018, 857, L15.	8.3	40
11	Reversing Size-Dependent Trends in the Oxidation of Copper Clusters through Support Effects. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 16-22.	2.0	20
12	Cover Feature: Reversing Size-Dependent Trends in the Oxidation of Copper Clusters through Support Effects ( <i>Eur. J. Inorg. Chem.</i> 1/2018). <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3-3.	2.0	0
13	Bimetallic AgPt Subnanometer Supported Clusters as Highly Efficient and Robust Oxidation Catalysts. <i>Angewandte Chemie</i> , 2018, 130, 1223-1227.	2.0	3
14	Water Oxidation Catalysis via Size-Selected Iridium Clusters. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9965-9972.	3.1	20
15	Strontium and barium isotopes in presolar silicon carbide grains measured with CHILI—two types of X grains. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 109-126.	3.9	31
16	Simultaneous iron and nickel isotopic analyses of presolar silicon carbide grains. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 87-108.	3.9	27
17	Bimetallic AgPt Subnanometer Supported Clusters as Highly Efficient and Robust Oxidation Catalysts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1209-1213.	13.8	47
18	Subnanometer Substructures in Nanoassemblies Formed from Clusters under a Reactive Atmosphere Revealed Using Machine Learning. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21686-21693.	3.1	69

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19	Common Occurrence of Explosive Hydrogen Burning in Type II Supernovae. <i>Astrophysical Journal</i> , 2018, 855, 144.	4.5	15
20	Potassic, high-silica Hadean crust. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6353-6356.	7.1	33
21	Iron and nickel isotope compositions of presolar silicon carbide grains from supernovae. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 127-144.	3.9	11
22	Low-Temperature Atomic Layer Deposition of CuSbS <sub>2</sub> for Thin-Film Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4667-4673.	8.0	52
23	Inhibiting Metal Oxide Atomic Layer Deposition: Beyond Zinc Oxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33429-33436.	8.0	26
24	Laser Ablation of Sub-10 nm Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9552-9559.	3.1	4
25	Heavy ion linear accelerator for radiation damage studies of materials. <i>Review of Scientific Instruments</i> , 2017, 88, 033302.	1.3	5
26	Determining the Conduction Band-Edge Potential of Solar-Cell-Relevant Nb <sub>2</sub> O <sub>5</sub> Fabricated by Atomic Layer Deposition. <i>Langmuir</i> , 2017, 33, 9298-9306.	3.5	14
27	Size-Selective Reactivity of Subnanometer Ag <sub>4</sub> and Ag <sub>16</sub> Clusters on a TiO <sub>2</sub> Surface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6614-6625.	3.1	21
28	J-type Carbon Stars: A Dominant Source of <sup>14</sup> N-rich Presolar SiC Grains of Type AB. <i>Astrophysical Journal Letters</i> , 2017, 844, L12.	8.3	25
29	Investigation of High-Energy Ion-Irradiated MA957 Using Synchrotron Radiation under In-Situ Tension. <i>Materials</i> , 2016, 9, 15.	2.9	9
30	Engendering Long-Term Air and Light Stability of a TiO <sub>2</sub> -Supported Porphyrinic Dye via Atomic Layer Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34863-34869.	8.0	3
31	High-mass heterogeneous cluster formation by ion bombardment of the ternary alloy Au <sub>7</sub> Cu <sub>5</sub> Al <sub>4</sub> . <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, .	1.2	0
32	Water Oxidation by Size-Selected Co <sub>27</sub> Clusters Supported on Fe <sub>2</sub> O <sub>3</sub> . <i>ChemSusChem</i> , 2016, 9, 3005-3011.	6.8	14
33	Porphyrins as Templates for Site-Selective Atomic Layer Deposition: Vapor Metalation and in Situ Monitoring of Island Growth. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19853-19859.	8.0	19
34	In situ study of the electronic structure of atomic layer deposited oxide ultrathin films upon oxygen adsorption using ambient pressure XPS. <i>Catalysis Science and Technology</i> , 2016, 6, 6778-6783.	4.1	16
35	Temperature-Dependent Evolution of the Oxidation States of Cobalt and Platinum in Co <sub>1-x</sub> Pt <sub>x</sub> Clusters under H <sub>2</sub> and CO + H <sub>2</sub> Atmospheres. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21496-21504.	3.1	11
36	CHILI – the Chicago Instrument for Laser Ionization – a new tool for isotope measurements in cosmochemistry. <i>International Journal of Mass Spectrometry</i> , 2016, 407, 1-15.	1.5	68

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37	Atomic Layer Deposition of MnS: Phase Control and Electrochemical Applications. ACS Applied Materials & Interfaces, 2016, 8, 2774-2780.	8.0	57
38	Characterization of high energy Xe ion irradiation effects in single crystal molybdenum with depth-resolved synchrotron microbeam diffraction. Journal of Nuclear Materials, 2016, 471, 272-279.	2.7	8
39	MeV per nucleon ion irradiation of nuclear materials with high energy synchrotron X-ray characterization. Journal of Nuclear Materials, 2016, 471, 266-271.	2.7	12
40	One Electron Changes Everything. A Multispecies Copper Redox Shuttle for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2016, 120, 3731-3740.	3.1	45
41	Point contact tunneling spectroscopy apparatus for large scale mapping of surface superconducting properties. Review of Scientific Instruments, 2015, 86, 095111.	1.3	5
42	Metal-Organic Framework Thin Films as Platforms for Atomic Layer Deposition of Cobalt Ions To Enable Electrocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 28223-28230.	8.0	145
43	CORRELATED STRONTIUM AND BARIUM ISOTOPIC COMPOSITIONS OF ACID-CLEANED SINGLE MAINSTREAM SILICON CARBIDES FROM MURCHISON. Astrophysical Journal, 2015, 803, 12.	4.5	65
44	Analysis of Nb <sub>3</sub> Sn surface layers for superconducting radio frequency cavity applications. Applied Physics Letters, 2015, 106, .	3.3	35
45	Dynamics of Back Electron Transfer in Dye-Sensitized Solar Cells Featuring 4- <i>tert</i> -Butyl-Pyridine and Atomic-Layer-Deposited Alumina as Surface Modifiers. Journal of Physical Chemistry B, 2015, 119, 7162-7169.	2.6	15
46	Atom-probe analyses of nanodiamonds from Allende. Meteoritics and Planetary Science, 2014, 49, 453-467.	1.6	62
47	Tunneling spectroscopy of superconducting MoN and NbTiN grown by atomic layer deposition. Applied Physics Letters, 2014, 104, .	3.3	9
48	BARIUM ISOTOPIC COMPOSITION OF MAINSTREAM SILICON CARBIDES FROM MURCHISON: CONSTRAINTS FOR <i>s</i> -PROCESS NUCLEOSYNTHESIS IN ASYMPTOTIC GIANT BRANCH STARS. Astrophysical Journal, 2014, 786, 66.	4.5	67
49	Depth profile of oxide volume fractions of Zircaloy-2 in high-temperature steam: An in-situ synchrotron radiation study. Journal of Nuclear Materials, 2014, 454, 192-199.	2.7	2
50	THE <sup>13</sup> C-POCKET STRUCTURE IN AGB MODELS: CONSTRAINTS FROM ZIRCONIUM ISOTOPE ABUNDANCES IN SINGLE MAINSTREAM SiC GRAINS. Astrophysical Journal, 2014, 788, 163.	4.5	40
51	Fabrication of Transparent-Conducting-Oxide-Coated Inverse Opals as Mesostructured Architectures for Electrocatalysis Applications: A Case Study with NiO. ACS Applied Materials & Interfaces, 2014, 6, 12290-12294.	8.0	28
52	Real-Time Observation of Atomic Layer Deposition Inhibition: Metal Oxide Growth on Self-Assembled Alkanethiols. ACS Applied Materials & Interfaces, 2014, 6, 11891-11898.	8.0	59
53	High-Surface-Area Architectures for Improved Charge Transfer Kinetics at the Dark Electrode in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 8646-8650.	8.0	17
54	Atom-Probe Tomography of Meteoritic Nanodiamonds.. Microscopy and Microanalysis, 2014, 20, 1676-1677.	0.4	1

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55	RIMS analysis of ion induced fragmentation of molecules sputtered from an enriched U3O8 matrix. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 407-412.	1.5	7
56	Hematite-based Photo-oxidation of Water Using Transparent Distributed Current Collectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 360-367.	8.0	66
57	Distance-Engineered Plasmon-Enhanced Light Harvesting in CdSe Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3527-3533.	4.6	48
58	Low temperature atomic layer deposition of highly photoactive hematite using iron(iii) chloride and water. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11607.	10.3	38
59	Solvent-assisted linker exchange (SALE) and post-assembly metallation in porphyrinic metal-organic framework materials. <i>Chemical Science</i> , 2013, 4, 1509.	7.4	142
60	Interfaces and Composition Profiles in Metal-Sulfide Nanolayers Synthesized by Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2013, 25, 313-319.	6.7	37
61	High sensitivity sputter neutral mass spectrometry – Sputtering of neutral mixed clusters from gold-aluminum alloys. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2013, 317, 115-120.	1.4	4
62	Atomic Layer Deposition of a Submonolayer Catalyst for the Enhanced Photoelectrochemical Performance of Water Oxidation with Hematite. <i>ACS Nano</i> , 2013, 7, 2396-2405.	14.6	243
63	Effects of Adsorbed Pyridine Derivatives and Ultrathin Atomic-Layer-Deposited Alumina Coatings on the Conduction Band-Edge Energy of TiO <sub>2</sub> and on Redox-Shuttle-Derived Dark Currents. <i>Langmuir</i> , 2013, 29, 806-814.	3.5	34
64	Size-Dependent Subnanometer Pd Cluster (Pd <sub>4</sub> , Pd <sub>6</sub> , and Pd <sub>17</sub> ) Water Oxidation Electrocatalysis. <i>ACS Nano</i> , 2013, 7, 5808-5817.	14.6	137
65	Templating Sub-10 nm Atomic Layer Deposited Oxide Nanostructures on Graphene via One-Dimensional Organic Self-Assembled Monolayers. <i>Nano Letters</i> , 2013, 13, 5763-5770.	9.1	37
66	Structural, optical, and electronic stability of copper sulfide thin films grown by atomic layer deposition. <i>Energy and Environmental Science</i> , 2013, 6, 1868.	30.8	91
67	Heteroepitaxy of group IV-VI nitrides by atomic layer deposition. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	15
68	Thermal conductivity of Er <sup>3+</sup> :Y <sub>2</sub> O <sub>3</sub> films grown by atomic layer deposition. <i>Applied Physics Letters</i> , 2013, 103, 193109.	3.3	8
69	Combining Atom-Probe Tomography and Focused-Ion Beam Microscopy to Study Individual Presolar Meteoritic Nanodiamond Particles. <i>Microscopy and Microanalysis</i> , 2013, 19, 974-975.	0.4	13
70	Surface impedance of superconductors with magnetic impurities. <i>Physical Review B</i> , 2012, 86, .	3.2	16
71	High aspect ratio nanoneedle probes with an integrated electrode at the tip apex. <i>Review of Scientific Instruments</i> , 2012, 83, 113704.	1.3	20
72	Fast Transporting ZnO-TiO <sub>2</sub> Coaxial Photoanodes for Dye-Sensitized Solar Cells Based on ALD-Modified SiO <sub>2</sub> Aerogel Frameworks. <i>ACS Nano</i> , 2012, 6, 6185-6196.	14.6	76

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73	Energy Levels, Electronic Properties, and Rectification in Ultrathin p-NiO Films Synthesized by Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16830-16840.	3.1	88
74	High-resolution secondary ion mass spectrometry depth profiling of nanolayers. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2224-2230.	1.5	14
75	Atomic Layer Deposition of the Quaternary Chalcogenide Cu <sub>2</sub> ZnSnS <sub>4</sub> . <i>Chemistry of Materials</i> , 2012, 24, 3188-3196.	6.7	75
76	Atomic Layer Deposition of Fe <sub>2</sub> O <sub>3</sub> Using Ferrocene and Ozone. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4333-4339.	3.1	118
77	Atomic Layer Deposition of Amorphous Niobium Carbide-Based Thin Film Superconductors. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25063-25071.	3.1	35
78	Atomic Layer Deposition and Superconducting Properties of NbSi Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9477-9485.	3.1	17
79	Ion Exchange in Ultrathin Films of Cu <sub>2</sub> S and ZnS under Atomic Layer Deposition Conditions. <i>Chemistry of Materials</i> , 2011, 23, 4411-4413.	6.7	49
80	Seeding Atomic Layer Deposition of High- $\kappa$ Dielectrics on Epitaxial Graphene with Organic Self-Assembled Monolayers. <i>ACS Nano</i> , 2011, 5, 5223-5232.	14.6	167
81	Conductive Atomic Force Microscope Nanopatterning of Epitaxial Graphene on SiC(0001) in Ambient Conditions. <i>Advanced Materials</i> , 2011, 23, 2181-2184.	21.0	34
82	Size-dependent selectivity and activity of silver nanoclusters in the partial oxidation of propylene to propylene oxide and acrolein: A joint experimental and theoretical study. <i>Catalysis Today</i> , 2011, 160, 116-130.	4.4	115
83	Development of ultrananocrystalline diamond (UNCD) coatings for multipurpose mechanical pump seals. <i>Wear</i> , 2011, 270, 325-331.	3.1	41
84	(Invited) Atomic Layer Deposition of Superconductors. <i>ECS Transactions</i> , 2011, 41, 237-245.	0.5	16
85	Ion Microscopy with Resonant Ionization Mass Spectrometry: Time-of-Flight Depth Profiling with Improved Isotopic Precision. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 373-377.	1.0	2
86	Oxidative dehydrogenation of cyclohexane over alumina-supported vanadium oxide nanoliths. <i>Journal of Catalysis</i> , 2010, 269, 421-431.	6.2	92
87	Tuning the Composition and Nanostructure of Pt/Ir Films via Anodized Aluminum Oxide Templated Atomic Layer Deposition. <i>Advanced Functional Materials</i> , 2010, 20, 3099-3105.	14.9	58
88	Tuning the Composition and Nanostructure of Pt/Ir Films via Anodized Aluminum Oxide Templated Atomic Layer Deposition. <i>Advanced Functional Materials</i> , 2010, 20, n/a-n/a.	14.9	0
89	Synthesis of nanoporous activated iridium oxide films by anodized aluminum oxide templated atomic layer deposition. <i>Electrochemistry Communications</i> , 2010, 12, 1543-1546.	4.7	22
90	Atomic layer deposition of nanoporous biomaterials. <i>Materials Today</i> , 2010, 13, 60-64.	14.2	33

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91	Dye-Sensitized Solar Cells: Driving-Force Effects on Electron Recombination Dynamics with Cobalt-Based Shuttles. <i>Langmuir</i> , 2010, 26, 9082-9087.	3.5	108
92	Oxidative Decomposition of Methanol on Subnanometer Palladium Clusters: The Effect of Catalyst Size and Support Composition. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10342-10348.	3.1	76
93	Integrated Ultramicroelectrode~Nanopipet Probe for Concurrent Scanning Electrochemical Microscopy and Scanning Ion Conductance Microscopy. <i>Analytical Chemistry</i> , 2010, 82, 1270-1276.	6.5	157
94	Atomic Layer Deposition of Aluminum Oxide in Mesoporous Silica Gel. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17286-17292.	3.1	63
95	Atomic layer deposition-based functionalization of materials for medical and environmental health applications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 2033-2064.	3.4	35
96	Tunneling Study of SRF Cavity-Grade Niobium. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 1404-1408.	1.7	11
97	Performance and Characterization of ALD Vanadium Oxide Catalytic Nanoliths. <i>ECS Transactions</i> , 2009, 25, 49-55.	0.5	1
98	Selective Propene Epoxidation on Immobilized Au <sub>6</sub> Clusters: The Effect of Hydrogen and Water on Activity and Selectivity. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1467-1471.	13.8	246
99	Formation of neutral clusters during sputtering of gold. <i>Surface Science</i> , 2009, 603, 819-825.	1.9	10
100	Sputtering of clusters from copper~gold alloys. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2009, 267, 2757-2760.	1.4	5
101	Atomic layer deposition of TiO <sub>2</sub> thin films on nanoporous alumina templates: Medical applications. <i>Jom</i> , 2009, 61, 12-16.	1.9	38
102	Subnanometre platinum clusters as highly active~and selective catalysts for the oxidative dehydrogenation of propane. <i>Nature Materials</i> , 2009, 8, 213-216.	27.5	725
103	Resonance ionization mass spectrometry for precise measurements of isotope ratios. <i>International Journal of Mass Spectrometry</i> , 2009, 288, 36-43.	1.5	47
104	Catalytic nanoliths. <i>Chemical Engineering Science</i> , 2009, 64, 560-567.	3.8	37
105	Sputtering of neutral clusters from silver~gold alloys. <i>Applied Surface Science</i> , 2009, 256, 991-994.	6.1	3
106	Atomic layer deposition of Cu <sub>2</sub> S for future application in photovoltaics. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	77
107	Electron Transport in Dye-Sensitized Solar Cells Based on ZnO Nanotubes: Evidence for Highly Efficient Charge Collection and Exceptionally Rapid Dynamics. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4015-4021.	2.5	255
108	Laser-induced desorption of organic molecules from front- and back-irradiated metal foils. , 2009, , .		3

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109	Nanoporous materials for biomedical devices. <i>Jom</i> , 2008, 60, 26-32.	1.9	58
110	New Architectures for Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2008, 14, 4458-4467.	3.3	253
111	Aerogel Templated ZnO Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2008, 20, 1560-1564.	21.0	138
112	Efficient multiple beam ion optics for quantitative surface analysis: from simulations to a fully operational instrument. <i>Physics Procedia</i> , 2008, 1, 379-389.	1.2	11
113	Conformal ZnO coatings on high surface area silica gel using atomic layer deposition. <i>Thin Solid Films</i> , 2008, 516, 6158-6166.	1.8	92
114	Investigation of radiation enhanced diffusion of magnesium in substrates flown on the NASA genesis mission. <i>Applied Surface Science</i> , 2008, 255, 1455-1457.	6.1	9
115	Atomic Layer Deposition of Indium Tin Oxide Thin Films Using Nonhalogenated Precursors. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1938-1945.	3.1	101
116	Atomic Layer Deposition of TiO <sub>2</sub> on Aerogel Templates: New Photoanodes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10303-10307.	3.1	122
117	Radial Electron Collection in Dye-Sensitized Solar Cells. <i>Nano Letters</i> , 2008, 8, 2862-2866.	9.1	130
118	Atomic layer deposition of tin oxide films using tetrakis(dimethylamino) tin. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2008, 26, 244-252.	2.1	153
119	Anodic Aluminum Oxide Templated Channel Electrodes via Atomic Layer Deposition. <i>ECS Transactions</i> , 2007, 6, 389-394.	0.5	0
120	Spatially Controlled Atomic Layer Deposition in Porous Membranes. <i>ECS Transactions</i> , 2007, 11, 177-184.	0.5	3
121	Laser-Driven Acoustic Desorption of Organic Molecules from Back-Irradiated Solid Foils. <i>Analytical Chemistry</i> , 2007, 79, 8232-8241.	6.5	51
122	Detection of In Situ Derivatized Peptides in Microbial Biofilms by Laser Desorption 7.87 eV Postionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 508-514.	6.5	30
123	ZnO Nanotube Based Dye-Sensitized Solar Cells. <i>Nano Letters</i> , 2007, 7, 2183-2187.	9.1	730
124	Mass spectrometry on the nanoscale with ion sputtering based techniques: What is feasible. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 261, 508-511.	1.4	23
125	Atomic Layer Deposition of Uniform Metal Coatings on Highly Porous Aerogel Substrates. <i>Chemistry of Materials</i> , 2006, 18, 6106-6108.	6.7	44
126	Vacuum Ultraviolet Postionization of Aromatic Groups Covalently Bound to Peptides. <i>Analytical Chemistry</i> , 2006, 78, 5876-5883.	6.5	24



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127	Imaging of Atomic Layer Deposited (ALD) Tungsten Monolayers on $\text{TiO}_2(110)$ by X-ray Standing Wave Fourier Inversion. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12616-12620.	2.6	26
128	Atomic Layer Deposition of $\text{In}_2\text{O}_3$ Using Cyclopentadienyl Indium: A New Synthetic Route to Transparent Conducting Oxide Films. <i>Chemistry of Materials</i> , 2006, 18, 3571-3578.	6.7	119
129	Atomic Layer Deposition for the Conformal Coating of Nanoporous Materials. <i>Journal of Nanomaterials</i> , 2006, 2006, 1-5.	2.7	82
130	Multi-element isotopic analysis of single presolar SiC grains. <i>New Astronomy Reviews</i> , 2006, 50, 587-590.	12.8	17
131	Sputtering of clusters from nickel-aluminium. <i>Applied Surface Science</i> , 2006, 252, 6426-6428.	6.1	8
132	7.87eV postionization of peptides containing tryptophan or derivatized with fluorescein. <i>Applied Surface Science</i> , 2006, 252, 6723-6726.	6.1	17
133	Etching of hexagonal SiC surfaces in chlorine-containing gas media at ambient pressure. <i>Surface Science</i> , 2006, 600, 2242-2251.	1.9	17
134	Atomic layer deposition of palladium films on $\text{Al}_2\text{O}_3$ surfaces. <i>Thin Solid Films</i> , 2006, 515, 1664-1673.	1.8	153
135	Reactivity of supported platinum nanoclusters studied by in situ GISAXS: clusters stability under hydrogen. <i>Topics in Catalysis</i> , 2006, 39, 145-149.	2.8	73
136	Supported gold clusters and cluster-based nanomaterials: characterization, stability and growth studies by in situ GISAXS under vacuum conditions and in the presence of hydrogen. <i>Topics in Catalysis</i> , 2006, 39, 161-166.	2.8	70
137	Transparent Conducting Oxides at High Aspect Ratios by ALD. <i>ECS Transactions</i> , 2006, 3, 243-247.	0.5	2
138	Nucleation and Growth of Noble Metals on Oxide Surfaces Using Atomic Layer Deposition. <i>ECS Transactions</i> , 2006, 3, 271-278.	0.5	55
139	Laser post-ionization secondary neutral mass spectrometry for ultra-trace analysis of samples from space return missions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2005, 241, 356-360.	1.4	27
140	Photocatalytic degradation of methylene blue on nanocrystalline $\text{TiO}_2$ : Surface mass spectrometry of reaction intermediates. <i>International Journal of Mass Spectrometry</i> , 2005, 245, 61-67.	1.5	123
141	Mesoporous catalytic membranes: Synthetic control of pore size and wall composition. <i>Catalysis Letters</i> , 2005, 102, 127-130.	2.6	94
142	Effect of Atomic Layer Deposition Coatings on the Surface Structure of Anodic Aluminum Oxide Membranes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14059-14063.	2.6	102
143	Extinct Technetium in Silicon Carbide Stardust Grains: Implications for Stellar Nucleosynthesis. <i>Science</i> , 2004, 303, 649-652.	12.6	77
144	A new time-of-flight instrument for quantitative surface analysis. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2004, 219-220, 473-479.	1.4	25

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