List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Predicting lung adenocarcinoma invasiveness by measurement of pure ground-glass nodule roundness by using multiplanar reformation: a retrospective analysis. Clinical Radiology, 2022, 77, e20-e26.	1.1	2
2	On the dissolution of a borosilicate glass with the use of isotopic tracing $\hat{a} \in $ Insights into the mechanism for the long-term dissolution rate. Geochimica Et Cosmochimica Acta, 2022, 318, 213-229.	3.9	4
3	Mapping hidden space-charge distributions across crystalline metal oxide/group IV semiconductor interfaces. Physical Review Materials, 2022, 6, .	2.4	2
4	Unique motif shared by HLAâ€B*59:01 and HLAâ€B*55:02 is associated with methazolamideâ€induced Stevens–Johnson syndrome and toxic epidermal necrolysis in Han Chinese. Journal of the European Academy of Dermatology and Venereology, 2022, 36, 873-880.	2.4	8
5	Electrochemically induced amorphous-to-rock-salt phase transformation in niobium oxide electrode for Li-ion batteries. Nature Materials, 2022, 21, 795-803.	27.5	69
6	Microstructural evolution and precipitation in \hat{I}^3 -LiAlO2 during ion irradiation. Journal of Applied Physics, 2022, 131, .	2.5	6
7	Mass spectral imaging showing the plant growth-promoting rhizobacteria's effect on the Brachypodium awn. Biointerphases, 2022, 17, .	1.6	3
8	Spontaneous Lithiation of Binary Oxides during Epitaxial Growth on LiCoO ₂ . Nano Letters, 2022, 22, 5530-5537.	9.1	4
9	Onshore soil microbes and endophytes respond differently to geochemical and mineralogical changes in the Aral Sea. Science of the Total Environment, 2021, 765, 142675.	8.0	9
10	Molecular imaging of plant–microbe interactions on the <i>Brachypodium</i> seed surface. Analyst, The, 2021, 146, 5855-5865.	3.5	9
11	Accelerated design of vanadium redox flow battery electrolytes through tunable solvation chemistry. Cell Reports Physical Science, 2021, 2, 100323.	5.6	12
12	Anion Exchange of Ruddlesden–Popper Lead Halide Perovskites Produces Stable Lateral Heterostructures. Journal of the American Chemical Society, 2021, 143, 5212-5221.	13.7	37
13	Bulk and Shortâ€Circuit Anion Diffusion in Epitaxial Fe ₂ O ₃ Films Quantified Using Buried Isotopic Tracer Layers. Advanced Materials Interfaces, 2021, 8, 2001768.	3.7	10
14	Molecular Determination of Organic Adsorption Sites on Smectite during Fe Redox Processes Using ToF-SIMS Analysis. Environmental Science & Technology, 2021, 55, 7123-7134.	10.0	8
15	Environment of Metal–O–Fe Bonds Enabling High Activity in CO ₂ Reduction on Single Metal Atoms and on Supported Nanoparticles. Journal of the American Chemical Society, 2021, 143, 5540-5549.	13.7	54
16	Real-Time Characterization of the Fine Structure and Dynamics of an Electrical Double Layer at Electrode–Electrolyte Interfaces. Journal of Physical Chemistry Letters, 2021, 12, 5279-5285.	4.6	12
17	Evidence of lithium mobility under neutron irradiation. Journal of Materials Research and Technology, 2021, 14, 475-483.	5.8	4
18	Molecular Examination of Ion-Pair Competition in Alkaline Aluminate Solutions Using In Situ Liquid SIMS. Analytical Chemistry, 2021, 93, 1068-1075.	6.5	6

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19	Tuning band alignment at a semiconductor-crystalline oxide heterojunction via electrostatic modulation of the interfacial dipole. Physical Review Materials, 2021, 5, .	2.4	12
20	Cisplatinâ€induced alteration on membrane composition of A549 cells revealed by ToF‣IMS. Surface and Interface Analysis, 2020, 52, 256-263.	1.8	9
21	Understanding Time Dependence on Zinc Metal–Organic Framework Growth Using in Situ Liquid Secondary Ion Mass Spectrometry. ACS Applied Materials & Interfaces, 2020, 12, 5090-5098.	8.0	10
22	Correlative surface imaging reveals chemical signatures for bacterial hotspots on plant roots. Analyst, The, 2020, 145, 393-401.	3.5	15
23	Atmospheric particulate characterization by ToF-SIMS in an urban site in Beijing. Atmospheric Environment, 2020, 220, 117090.	4.1	8
24	ToFâ€ S IMS analysis of chemical composition of atmospheric aerosols in Beijing. Surface and Interface Analysis, 2020, 52, 272-282.	1.8	3
25	Three-Dimensional Mass Spectrometric Imaging of Biological Structures Using a Vacuum-Compatible Microfluidic Device. Analytical Chemistry, 2020, 92, 13785-13793.	6.5	3
26	A quantitative study of retention and release of deuterium and tritium during irradiation of γ-LiAlO2 pellets. Journal of Nuclear Materials, 2020, 542, 152532.	2.7	8
27	Revealing the Structural Evolution of Green Rust Synthesized in Ionic Liquids by In Situ Molecular Imaging. Advanced Materials Interfaces, 2020, 7, 2000452.	3.7	3
28	Dynamic Lattice Oxygen Participation on Perovskite LaNiO ₃ during Oxygen Evolution Reaction. Journal of Physical Chemistry C, 2020, 124, 15386-15390.	3.1	49
29	In situ liquid SIMS analysis of uranium oxide. Surface and Interface Analysis, 2020, 52, 454-459.	1.8	4
30	Role of clay-associated humic substances in catalyzing bioreduction of structural Fe(III) in nontronite by Shewanella putrefaciens CN32. Science of the Total Environment, 2020, 741, 140213.	8.0	19
31	Liquid ToF-SIMS revealing the oil, water, and surfactant interface evolution. Physical Chemistry Chemical Physics, 2020, 22, 11771-11782.	2.8	8
32	In Vivo Molecular Insights into Syntrophic <i>Geobacter</i> Aggregates. Analytical Chemistry, 2020, 92, 10402-10411.	6.5	6
33	Deuterium diffusion in Î ³ -LiAlO2 pellets irradiated with He+ and D2+ ions. Journal of Nuclear Materials, 2020, 538, 152357.	2.7	5
34	Mechanisms of Enhanced Antibacterial Activity by Reduced Chitosan-Intercalated Nontronite. Environmental Science & Technology, 2020, 54, 5207-5217.	10.0	23
35	In situ molecular imaging of adsorbed protein films in water indicating hydrophobicity and hydrophilicity. Scientific Reports, 2020, 10, 3695.	3.3	10
36	Real-time mass spectrometric characterization of the solid–electrolyte interphase of a lithium-ion battery. Nature Nanotechnology, 2020, 15, 224-230.	31.5	280

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37	Controlling Surface Phase Transition and Chemical Reactivity of O3-Layered Metal Oxide Cathodes for High-Performance Na-Ion Batteries. ACS Energy Letters, 2020, 5, 1718-1725.	17.4	64
38	Bio-reduction of ferrihydrite-montmorillonite-organic matter complexes: Effect of montmorillonite and fate of organic matter. Geochimica Et Cosmochimica Acta, 2020, 276, 327-344.	3.9	39
39	Dark air–liquid interfacial chemistry of glyoxal and hydrogen peroxide. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	18
40	Charge Transfer and Built-in Electric Fields between a Crystalline Oxide and Silicon. Physical Review Letters, 2019, 123, 026805.	7.8	22
41	Evolution of aqSOA from the Air–Liquid Interfacial Photochemistry of Glyoxal and Hydroxyl Radicals. Environmental Science & Technology, 2019, 53, 10236-10245.	10.0	28
42	Passively Sampled Environmental Films Show Geographic Variability and Host a Variety of Microorganisms. ACS Earth and Space Chemistry, 2019, 3, 2726-2735.	2.7	4
43	Cr(III) Adsorption by Cluster Formation on Boehmite Nanoplates in Highly Alkaline Solution. Environmental Science & Technology, 2019, 53, 11043-11055.	10.0	42
44	Nanoscale imaging of hydrogen and sodium in alteration layers of corroded glass using ToFâ€&IMS: Is an auxiliary sputtering ion beam necessary?. Surface and Interface Analysis, 2019, 51, 219-225.	1.8	3
45	Physical and Chemical Morphology of Passively Sampled Environmental Films. ACS Earth and Space Chemistry, 2019, 3, 305-313.	2.7	16
46	Molecular evidence of a toxic effect on a biofilm and its matrix. Analyst, The, 2019, 144, 2498-2503.	3.5	23
47	Imaging Corrosion at the Metal-Paint Interface Using Time-of-Flight Secondary Ion Mass Spectrometry. Journal of Visualized Experiments, 2019, , .	0.3	0
48	Submicron sodium banding in cultured planktic foraminifera shells. Geochimica Et Cosmochimica Acta, 2019, 253, 127-141.	3.9	27
49	In Situ Liquid Secondary Ion Mass Spectrometry: A Surprisingly Soft Ionization Process for Investigation of Halide Ion Hydration. Analytical Chemistry, 2019, 91, 7039-7046.	6.5	27
50	Direct Molecular Evidence of Proton Transfer and Mass Dynamics at the Electrode–Electrolyte Interface. Journal of Physical Chemistry Letters, 2019, 10, 251-258.	4.6	16
51	Investigation of physical and chemical properties for upgraded SAP (SiO2Al2O3P2O5) waste form to immobilize radioactive waste salt. Journal of Nuclear Materials, 2019, 515, 382-391.	2.7	13
52	Experimental Insights into the Growth of Single Truncated Anatase Bipyramids. Chemistry - A European Journal, 2019, 25, 993-996.	3.3	2
53	Potential-Dynamic Surface Chemistry Controls the Electrocatalytic Processes of Ethanol Oxidation on Gold Surfaces. ACS Energy Letters, 2019, 4, 215-221.	17.4	45
54	Creation and Ordering of Oxygen Vacancies at WO _{3â^î^(} and Perovskite Interfaces. ACS Applied Materials & Interfaces, 2018, 10, 17480-17486.	8.0	29

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55	Investigation of Ion–Solvent Interactions in Nonaqueous Electrolytes Using in Situ Liquid SIMS. Analytical Chemistry, 2018, 90, 3341-3348.	6.5	41
56	Early stage structural development of prototypical zeolitic imidazolate framework (ZIF) in solution. Nanoscale, 2018, 10, 4291-4300.	5.6	56
57	Thermal annealing behavior of hydrogen and surface topography of H2+ ion implanted tungsten. Journal of Nuclear Science and Technology, 2018, 55, 703-708.	1.3	5
58	<scp>ToFâ€SIMS</scp> characterization of glyoxal surface oxidation products by hydrogen peroxide: A comparison between dry and liquid samples. Surface and Interface Analysis, 2018, 50, 927-938.	1.8	19
59	Formation of bubbles and blisters in hydrogen ion implanted polycrystalline tungsten. Radiation Effects and Defects in Solids, 2018, 173, 1027-1036.	1.2	4
60	Mesoscopic Structure Facilitates Rapid CO ₂ Transport and Reactivity in CO ₂ Capture Solvents. Journal of Physical Chemistry Letters, 2018, 9, 5765-5771.	4.6	19
61	Chemical imaging and diffusion of hydrogen and lithium in lithium aluminate. Journal of Nuclear Materials, 2018, 511, 1-10.	2.7	19
62	Atomic origins of water-vapour-promoted alloy oxidation. Nature Materials, 2018, 17, 514-518.	27.5	106
63	Does interfacial photochemistry play a role in the photolysis of pyruvic acid in water?. Atmospheric Environment, 2018, 191, 36-45.	4.1	28
64	Controlled synthesis of highly-branched plasmonic gold nanoparticles through peptoid engineering. Nature Communications, 2018, 9, 2327.	12.8	74
65	Interconversion of intrinsic defects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrTi</mml:mi><mml:msub><mn mathvariant="normal">O<mml:mn>3</mml:mn></mn </mml:msub><mml:mrow><mml:mo>(</mml:mo> Physical Review B, 2018, 97, .</mml:mrow></mml:mrow></mml:math 	ıl:mi _{3.2} cmml:mn>(001 ¹⁹ mml:mr
66	Irradiation effects and hydrogen behavior in H2+ and He+ implanted Î ³ -LiAlO2 single crystals. Journal of Nuclear Materials, 2017, 484, 374-381.	2.7	29
67	Nanoscale imaging of alteration layers of corroded international simple glass particles using ToF-SIMS. Nuclear Instruments & Methods in Physics Research B, 2017, 404, 45-51.	1.4	5
68	Operando formation of an ultra-low friction boundary film from synthetic magnesium silicon hydroxide additive. Tribology International, 2017, 110, 35-40.	5.9	53
69	Deciphering the aqueous chemistry of glyoxal oxidation with hydrogen peroxide using molecular imaging. Physical Chemistry Chemical Physics, 2017, 19, 20357-20366.	2.8	29
70	Glass binder development for a glass-bonded sodalite ceramic waste form. Journal of Nuclear Materials, 2017, 489, 42-63.	2.7	34
71	In Situ Mass Spectrometric Monitoring of the Dynamic Electrochemical Process at the Electrode–Electrolyte Interface: a SIMS Approach. Analytical Chemistry, 2017, 89, 960-965.	6.5	47
72	Characterization of syntrophic <i>Geobacter</i> communities using ToF-SIMS. Biointerphases, 2017, 12, 05G601.	1.6	23

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73	In Situ Characterization of Shewanella oneidensis MR1 Biofilms by SALVI and ToF-SIMS. Journal of Visualized Experiments, 2017, , .	0.3	4
74	An investigation of the beam damage effect on <i>in situ</i> liquid secondary ion mass spectrometry analysis. Rapid Communications in Mass Spectrometry, 2017, 31, 2035-2042.	1.5	13
75	Suppressed oxygen extraction and degradation of LiNi x Mn y Co z O2 cathodes at high charge cut-off voltages. Nano Research, 2017, 10, 4221-4231.	10.4	77
76	Characterization of extreme ultraviolet laser ablation mass spectrometry for actinide trace analysis and nanoscale isotopic imaging. Journal of Analytical Atomic Spectrometry, 2017, 32, 1092-1100.	3.0	33
77	Link between light-triggered Mg-banding and chamber formation in the planktic foraminifera Neogloboquadrina dutertrei. Nature Communications, 2017, 8, 15441.	12.8	73
78	Nanostructural evolution and behavior of H and Li in ion-implanted γ-LiAlO2. Journal of Nuclear Materials, 2017, 494, 411-421.	2.7	23
79	Retrospective study of predictors of bone metastasis in colorectal cancer patients. Journal of Bone Oncology, 2017, 9, 25-28.	2.4	30
80	Carbon Contamination During Ion Irradiation - Accurate Detection and Characterization of its Effect on Microstructure of Ferritic/Martensitic Steels. Scientific Reports, 2017, 7, 15813.	3.3	18
81	Two coexisting liquid phases in switchable ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 22627-22632.	2.8	23
82	In Situ Imaging and Spectroscopy of Particles in Liquid. Microscopy and Microanalysis, 2017, 23, 882-883.	0.4	0
83	Multimodal and in-situ Chemical Imaging of Critical Surfaces and Interfaces in Advanced Batteries. Journal of Surface Analysis (Online), 2017, 24, 141-150.	0.1	4
84	Nanoscale imaging of Li and B in nuclear waste glass, a comparison of ToF-SIMS, NanoSIMS, and APT. Surface and Interface Analysis, 2016, 48, 1392-1401.	1.8	14
85	Polyvinylpyrrolidone-induced anisotropic growth of gold nanoprisms in plasmon-driven synthesis. Nature Materials, 2016, 15, 889-895.	27.5	239
86	Quantifying element incorporation in multispecies biofilms using nanoscale secondary ion mass spectrometry image analysis. Biointerphases, 2016, 11, 02A322.	1.6	20
87	Switchable 1,8-diazabicycloundec-7-ene and 1-hexanol ionic liquid analyzed by liquid ToF-SIMS. Surface Science Spectra, 2016, 23, 9-28.	1.3	5
88	Lattice damage and compositional changes in Xe ion irradiated In <i>x</i> Ga1- <i>x</i> N (<i>x</i> =) Tj ETQq0 0	0 rgBT /O	verlock 10 Tf

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91	Multimodal and <i>In-Situ</i> Chemical Imaging of Critical Surfaces and Interfaces in Li Batteries. Microscopy Today, 2016, 24, 32-39.	0.3	6
92	Improving the Molecular Ion Signal Intensity for In Situ Liquid SIMS Analysis. Journal of the American Society for Mass Spectrometry, 2016, 27, 2006-2013.	2.8	46
93	Dilute condition corrosion behavior of glass-ceramic waste form. Journal of Nuclear Materials, 2016, 482, 1-11.	2.7	25
94	<i>In Situ</i> Molecular Imaging of the Biofilm and Its Matrix. Analytical Chemistry, 2016, 88, 11244-11252.	6.5	76
95	Capturing the transient species at the electrode–electrolyte interface by in situ dynamic molecular imaging. Chemical Communications, 2016, 52, 10952-10955.	4.1	43
96	Real-space characterization of reactivity towards water at theBi2Te3(111) surface. Physical Review B, 2016, 93, .	3.2	8
97	Grain growth of nanocrystalline 3C-SiC under Au ion irradiation at elevated temperatures. Journal Physics D: Applied Physics, 2016, 49, 035304.	2.8	3
98	Nanometer-Scale Chemistry of a Calcite Biomineralization Template: Implications for Skeletal Composition and Nucleation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12934-12939.	7.1	78
99	In Situ Characterization of Hydrated Proteins in Water by SALVI and ToF-SIMS. Journal of Visualized Experiments, 2016, , 53708.	0.3	13
100	Meso-scale anisotropic hydrogen segregation near grain-boundaries in polycrystalline nickel characterized by EBSD/SIMS. Materials Letters, 2016, 165, 217-222.	2.6	42
101	Chemical imaging of molecular changes in a hydrated single cell by dynamic secondary ion mass spectrometry and super-resolution microscopy. Integrative Biology (United Kingdom), 2016, 8, 635-644.	1.3	48
102	Thermally evaporated (oxide) iron on an alumina barrier layer by ToF-SIMS. Surface Science Spectra, 2015, 22, 14-21.	1.3	5
103	Al2O3 e-beam evaporated onto silicon (100)/SiO2 by ToF-SIMS. Surface Science Spectra, 2015, 22, 7-13.	1.3	10
104	Silicon (100)/SiO2 by ToF-SIMS. Surface Science Spectra, 2015, 22, 1-6.	1.3	14
105	Thermally annealed iron thin film on an alumina barrier layer by ToF-SIMS. Surface Science Spectra, 2015, 22, 22-28.	1.3	4
106	Multiwalled carbon nanotube forest grown via chemical vapor deposition from iron catalyst nanoparticles by ToF-SIMS. Surface Science Spectra, 2015, 22, 29-33.	1.3	5
107	Argon Cluster Sputtering Source for ToF-SIMS Depth Profiling of Insulating Materials: High Sputter Rate and Accurate Interfacial Information. Journal of the American Society for Mass Spectrometry, 2015, 26, 1283-1290.	2.8	24
108	Two-dimensional and three-dimensional dynamic imaging of live biofilms in a microchannel by time-of-flight secondary ion mass spectrometry. Biomicrofluidics, 2015, 9, 031101.	2.4	36

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109	Synergistic effects of iodine and silver ions co-implanted in 6H–SiC. Journal of Nuclear Materials, 2015, 467, 582-587.	2.7	7
110	Magnesium behavior and structural defects in Mg+ ion implanted silicon carbide. Journal of Nuclear Materials, 2015, 458, 146-155.	2.7	13
111	Anticorrelation between Surface and Subsurface Point Defects and the Impact on the Redox Chemistry of TiO ₂ (110). ChemPhysChem, 2015, 16, 313-321.	2.1	41
112	The fate of silicon during glass corrosion under alkaline conditions: A mechanistic and kinetic study with the International Simple Glass. Geochimica Et Cosmochimica Acta, 2015, 151, 68-85.	3.9	165
113	miR-367 promotes epithelial-to-mesenchymal transition and invasion of pancreatic ductal adenocarcinoma cells by targeting the Smad7-TGF-β signalling pathway. British Journal of Cancer, 2015, 112, 1367-1375.	6.4	70
114	Determination of carbon distributions in quenched and partitioned microstructures using nanoscale secondary ion mass spectroscopy. Scripta Materialia, 2015, 104, 79-82.	5.2	19
115	Measuring Compositions in Organic Depth Profiling: Results from a VAMAS Interlaboratory Study. Journal of Physical Chemistry B, 2015, 119, 10784-10797.	2.6	56
116	ToF-SIMS characterization of silk fibroin and polypyrrole composite actuators. Synthetic Metals, 2015, 209, 490-495.	3.9	11
117	In Situ Mass Spectrometric Determination of Molecular Structural Evolution at the Solid Electrolyte Interphase in Lithium-Ion Batteries. Nano Letters, 2015, 15, 6170-6176.	9.1	73
118	Ag out-surface diffusion in crystalline SiC with an effective SiO2 diffusion barrier. Journal of Nuclear Materials, 2015, 464, 294-298.	2.7	3
119	The Role of Cesium Cation in Controlling Interphasial Chemistry on Graphite Anode in Propylene Carbonate-Rich Electrolytes. ACS Applied Materials & Interfaces, 2015, 7, 20687-20695.	8.0	41
120	Direct Probes of 4 nm Diameter Gold Nanoparticles Interacting with Supported Lipid Bilayers. Journal of Physical Chemistry C, 2015, 119, 534-546.	3.1	77
121	ToF-SIMS depth profiling of insulating samples, interlaced mode or non-interlaced mode?. Surface and Interface Analysis, 2014, 46, 257-260.	1.8	11
122	Carbon Mineralizability Determines Interactive Effects on Mineralization of Pyrogenic Organic Matter and Soil Organic Carbon. Environmental Science & amp; Technology, 2014, 48, 13727-13734.	10.0	67
123	Cold crucible induction melter studies for making glass ceramic waste forms: A feasibility assessment. Journal of Nuclear Materials, 2014, 444, 481-492.	2.7	82
124	Electronic stopping powers for heavy ions in SiC and SiO2. Journal of Applied Physics, 2014, 115, 044903.	2.5	36
125	Early hypercytokinemia is associated with interferon-induced transmembrane protein-3 dysfunction and predictive of fatal H7N9 infection. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 769-774.	7.1	250
126	In situ chemical probing of the electrode–electrolyte interface by ToF-SIMS. Lab on A Chip, 2014, 14, 855-859.	6.0	61

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127	Electrodeposition from Acidic Solutions of Nickel Bis(benzenedithiolate) Produces a Hydrogen-Evolving Ni–S Film on Glassy Carbon. ACS Catalysis, 2014, 4, 90-98.	11.2	59
128	<i>In situ</i> SEM and ToFâ€6IMS analysis of IgG conjugated gold nanoparticles at aqueous surfaces. Surface and Interface Analysis, 2014, 46, 224-228.	1.8	24
129	In situ molecular imaging of a hydrated biofilm in a microfluidic reactor by ToF-SIMS. Analyst, The, 2014, 139, 1609-1613.	3.5	45
130	Mitigating Voltage Fade in Cathode Materials by Improving the Atomic Level Uniformity of Elemental Distribution. Nano Letters, 2014, 14, 2628-2635.	9.1	273
131	Low-temperature lithium diffusion in simulated high-level boroaluminosilicate nuclear waste glasses. Journal of Non-Crystalline Solids, 2014, 405, 83-90.	3.1	18
132	Microstructure and Cs Behavior of Ba-Doped Aluminosilicate Pollucite Irradiated with F ⁺ Ions. Journal of Physical Chemistry C, 2014, 118, 18160-18169.	3.1	7
133	Angular distribution and recoil effect for 1MeV Au+ ions through a Si3N4 thin foil. Nuclear Instruments & Methods in Physics Research B, 2014, 332, 346-350.	1.4	0
134	NanoSIMS imaging alteration layers of a leached SON68 glass via a FIB-made wedged crater. Surface and Interface Analysis, 2014, 46, 233-237.	1.8	6
135	Characterizing Ion Profiles in Dynamic Junction Light-Emitting Electrochemical Cells. ACS Applied Materials & Interfaces, 2013, 5, 11509-11514.	8.0	25
136	Performance of a microfluidic device for in situ ToF-SIMS analysis of selected organic molecules at aqueous surfaces. Analytical Methods, 2013, 5, 2515.	2.7	30
137	Comparison between simulated and experimental Au-ion profiles implanted in nanocrystalline ceria. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 93-97.	1.4	16
138	Ion distribution and electronic stopping power for Au ions in silicon carbide. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 65-70.	1.4	22
139	Multiâ€instrument characterization of the surfaces and materials in microfabricated, carbon nanotubeâ€ŧemplated thin layer chromatography plates. An analogy to â€~The Blind Men and the Elephant'. Surface and Interface Analysis, 2013, 45, 1273-1282.	1.8	52
140	Surface science analysis of GaAs photocathodes following sustained electron beam delivery. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	7
141	A model for phosphosilicate glass deposition via POCl3 for control of phosphorus dose in Si. Journal of Applied Physics, 2012, 112, 124912.	2.5	18
142	Characterization of Ion Profiles in Light-Emitting Electrochemical Cells by Secondary Ion Mass Spectrometry. ACS Applied Materials & Interfaces, 2012, 4, 1149-1153.	8.0	25
143	Performance of solid oxide fuel cells operated with coal syngas provided directly from a gasification process. Journal of Power Sources, 2012, 214, 142-152.	7.8	29
144	MeV Au ion irradiation in silicon and nanocrystalline zirconia film deposited on silicon substrate. Nuclear Instruments & Methods in Physics Research B, 2012, 286, 173-179.	1.4	9

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145	Molecular dynamics simulations of ion range profiles for heavy ions in light targets. Nuclear Instruments & Methods in Physics Research B, 2012, 286, 45-50.	1.4	10
146	Damage profiles and ion distribution in Pt-irradiated SiC. Nuclear Instruments & Methods in Physics Research B, 2012, 286, 114-118.	1.4	13
147	Defects and Minor Phases in O+and Zr+Ion Co-implanted SrTiO3. Industrial & Engineering Chemistry Research, 2012, 51, 621-628.	3.7	9
148	Are cluster ion analysis beams good choices for hydrogen depth profiling using timeâ€ofâ€flight secondary ion mass spectrometry?. Surface and Interface Analysis, 2012, 44, 89-93.	1.8	13
149	An investigation of hydrogen depth profiling using ToFâ€SIMS. Surface and Interface Analysis, 2012, 44, 232-237.	1.8	33
150	Probing liquid surfaces under vacuum using SEM and ToF-SIMS. Lab on A Chip, 2011, 11, 2481.	6.0	80
151	Internal structure, hygroscopic and reactive properties of mixed sodium methanesulfonate-sodium chloride particles. Physical Chemistry Chemical Physics, 2011, 13, 11846.	2.8	25
152	Ga-doped ZnO grown by pulsed laser deposition in H2: The roles of Ga and H. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, 03A102.	2.1	11
153	Serial and Parallel Si, Ge, and SiGe Direct-Write with Scanning Probes and Conducting Stamps. Nano Letters, 2011, 11, 2386-2389.	9.1	20
154	Functionalization/passivation of porous graphitic carbon with di-tert-amylperoxide. Journal of Chromatography A, 2011, 1218, 8362-8369.	3.7	5
155	Using C ₆₀ ⁺ sputtering to improve detection limit of nitrogen in zinc oxide. Surface and Interface Analysis, 2011, 43, 661-663.	1.8	4
156	Defect- and strain-enhanced cavity formation and Au precipitation at nano-crystalline ZrO2/SiO2/Si interfaces. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 126-132.	1.4	6
157	Making a hybrid microfluidic platform compatible for <i>in situ</i> imaging by vacuum-based techniques. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, . Foitaxial growth structure and intermixing at the mml math	2.1	67
158	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mrow><mml:msub><mml:mi mathvariant="normal">LaAlO<mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mi </mml:msub>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow>mathvariant="normal">StriiO<mml:mrow>33</mml:mrow></mml:mrow></mml:mrow></mml:mrow>	mrgw> <td>ıml:math>/<r< td=""></r<></td>	ıml:math>/ <r< td=""></r<>
159	as the film stoichiometry is var. Physical Review B, 2011, 83, . Radiation Induced Cavity Formation and Gold Precipitation at the Interfaces of a ZrO2/SiO2/Si Heterostructure. Materials Research Society Symposia Proceedings, 2011, 1298, 111.	0.1	2
160	Thermodynamic instability at the stoichiometric LaAlO ₃ <i>/</i> SrTiO ₃ (001) interface. Journal of Physics Condensed Matter, 2010, 22, 312201.	1.8	77
161	Effect of Cr2O3 on the 18O tracer incorporation in SOFC materials. Solid State Ionics, 2010, 181, 640-645.	2.7	14
162	Why ozonolysis may not increase the hydrophilicity of particles. Atmospheric Environment, 2010, 44, 939-944.	4.1	20

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163	Scanning Probe Directâ€Write of Germanium Nanostructures. Advanced Materials, 2010, 22, 4639-4642.	21.0	29
	Instability, intermixing and electronic structure at the epitaxial <mml:math< td=""><td></td><td></td></mml:math<>		

xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si51.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>LaAlO</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mm 164

#	Article	IF	CITATIONS
181	Chemistry of metal atoms reacting with alkanethiol self-assembled monolayers. Applied Surface Science, 2006, 252, 6686-6688.	6.1	22
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