Rhonda M Stroud

List of Publications by Year
in descending order

368 papers	23,640 citations	7069 78 h-index	9311 143 g-index
370 all docs	370 docs citations	370 times ranked	19864 citing authors

#	Article	IF	Citations
1	Laser-Patterned Submicrometer Bi₂Se₃â€“WS₂ Pixels with Tunable Circular Polarization at Room Temperature. ACS Applied Materials & Interfaces, 2022, 14, 9504-9514.	4.0	2
2	Capacity and phase stability of metal-substituted Î±-Ni(OH)₂ nanosheets in aqueous Niâ€“Zn batteries. Materials Advances, 2021, 2, 3060-3074.	2.6	13
3	Phase Identification and Ordered Vacancy Imaging in Epitaxial Metallic Ta2N Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 12575-12580.	4.0	4
4	TEM Analyses of Unusual Presolar Silicon Carbide: Insights into the Range of Circumstellar Dust Condensation Conditions. Astrophysical Journal, 2021, 913, 90.	1.6	7
5	Comparison of space weathering features in three particles from Itokawa. Meteoritics and Planetary Science, 2021, 56, 1109-1124.	0.7	8
6	Fast, computerâ€assisted detection of dust and debris impact craters on Stardust interstellar foils. Meteoritics and Planetary Science, 2021, 56, 944.	0.7	0
7	Exogenous copper sulfide in returned asteroid Itokawa regolith grains are likely relicts of prior impacting body. Communications Earth & Environment, 2021, 2, .	2.6	6
8	TEM analyses of in situ presolar grains in pristine matrix material of ordinary chondrite Semarkona. Microscopy and Microanalysis, 2021, 27, 2786-2789.	0.2	0
9	The effect of ultrasmall grain sizes on the thermal conductivity of nanocrystalline silicon thin films. Communications Physics, 2021, 4, .	2.0	15
10	Record of Alteration by Heavy Ices in a Cometary Clast in a Primitive Meteorite. Microscopy and Microanalysis, 2021, 27, 2268-2270.	0.2	0
11	Crystalline Phase Control in ScxAlx-1N Grown by Molecular Beam Epitaxy. Microscopy and Microanalysis, 2021, 27, 2880-2881.	0.2	0
12	Coordinated Electron Energy Loss and Energy Dispersive X-ray Spectroscopies of Organic Matter from Asteroids. Microscopy and Microanalysis, 2021, 27, 2546-2547.	0.2	1
13	STEM-EELS-EDS Analysis of Space Weathering Features of ANGSA Lunar Soil Samples. Microscopy and Microanalysis, 2021, 27, 2044-2046.	0.2	3
14	Sample Preparation and Coordinated Analysis for Characterization of Organic Matter in Return Samples from the Carbonaceous Asteroids Ryugu and Bennu. Microscopy and Microanalysis, 2021, 27, 2884-2885.	0.2	0
15	Evolution of NV centers in nanodiamond using in situ heating with STEM-EELS/EDS. Microscopy and Microanalysis, 2021, 27, 3050-3052.	0.2	1
16	Cu2-xS/PbS Core/Shell Nanocrystals with Improved Chemical Stability. Chemistry of Materials, 2021, 33, 6685-6691.	3.2	1
17	Automatic detection of impact craters on Al foils from the Stardust interstellar dust collector using convolutional neural networks. Meteoritics and Planetary Science, 2021, 56, 1890-1904.	0.7	1
18	Presolar grains in primitive ungrouped carbonaceous chondrite Northwest Africa 5958. Meteoritics and Planetary Science, 2020, 55, 1160-1175.	0.7	13

#	Article	IF	Citations
19	Enabling remote quantum emission in 2D semiconductors via porous metallic networks. Nature Communications, 2020, 11, 5.	5.8	20
20	Photocatalytic CO Oxidation over Nanoparticulate Au-Modified TiO₂ Aerogels: The Importance of Size and Intimacy. ACS Catalysis, 2020, 10, 14834-14846.	5.5	25
21	Coordinated EDX and microâ€Raman analysis of presolar silicon carbide: A novel, nondestructive method to identify rare subgroup SiC. Meteoritics and Planetary Science, 2020, 55, .	0.7	0
22	Power of Aerogel Platforms to Explore Mesoscale Transport in Catalysis. ACS Applied Materials & Interfaces, 2020, 12, 41277-41287.	4.0	13
23	Stabilization of reduced copper on ceria aerogels for CO oxidation. Nanoscale Advances, 2020, 2, 4547-4556.	2.2	12
24	Fe-rich Phase Separation in Doped BaTiO3 as Revealed by STEM-EDS. Microscopy and Microanalysis, 2020, 26, 1198-1200.	0.2	0
25	Temperature Dependence of Impurity Distributions in Nanodiamonds as Revealed by Coordinated UHV-STEM EDX and EELS Analysis. Microscopy and Microanalysis, 2020, 26, 1506-1507.	0.2	2
26	Identifying Spatial Relationships in Metal-nanoparticle/Insulating-aerogel Catalytic Systems with Electron Tomography: Manual Segmentation vs. Machine-learning Classifiers. Microscopy and Microanalysis, 2020, 26, 1852-1853.	0.2	1
27	TEM Structural and Compositional Studies of Presolar SiC Grains and Their Relation to Raman Spectra. Microscopy and Microanalysis, 2020, 26, 2052-2055.	0.2	0
28	Fast, Computer-Assisted Detection of Î¼m-Scale Dust Impact Craters on Spacecraft Materials. Microscopy and Microanalysis, 2020, 26, 2062-2064.	0.2	0
29	The Atomic Structure of Epitaxial Metallic Transition Metal Nitride TaNx by STEM-ABF and HAADF. Microscopy and Microanalysis, 2020, 26, 2122-2123.	0.2	0
30	STEM of Three Itokawa Grains: Space Weathering and Presence of Cubanite. Microscopy and Microanalysis, 2020, 26, 2602-2604.	0.2	0
31	Epitaxial bulk acoustic wave resonators as highly coherent multi-phonon sources for quantum acoustodynamics. Nature Communications, 2020, 11, 2314.	5.8	62
32	Sampling interplanetary dust from Antarctic air. Meteoritics and Planetary Science, 2020, 55, 1128-1145.	0.7	4
33	Concerns of Organic Contamination for Sample Return Space Missions. Space Science Reviews, 2020, 216, 56.	3.7	22
34	<scp>FIB</scp>â€<scp>TEM</scp> analysis of cometary material in 10 Stardust foil craters. Meteoritics and Planetary Science, 2020, 55, 1349-1370.	0.7	3
35	Chemical Mapping of Unstained DNA Origami Using STEM/EDS and Graphene Supports. ACS Applied Nano Materials, 2020, 3, 1123-1130.	2.4	7
36	2018 Nier Prize for Aki Takigawa. Meteoritics and Planetary Science, 2019, 54, 1893-1894.	0.7	0

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37	Reply to: GEMS and the devil in their details. Nature Astronomy, 2019, 3, 606-606.	4.2	2
38	Thermoelectric Properties of Nanocrystalline Silicon Films Prepared by Hot-Wire and Plasma-Enhanced Chemical-Vapor Depositions. Journal of Electronic Materials, 2019, 48, 5218-5225.	1.0	3
39	Lattice Registry and Evidence for Surface Reconstructions of Metal Films on Suspended 2D Membranes Following Annealing. Microscopy and Microanalysis, 2019, 25, 1516-1517.	0.2	0
40	Aberration-Corrected STEM Analysis of Impurities in Cosmic Nanodiamonds and Synthetic Analogs. Microscopy and Microanalysis, 2019, 25, 1736-1737.	0.2	0
41	Analysis of in situ Nanodiamonds in Organic Matter from Primitive Meteorites with Electron Energy-Loss Spectroscopy and Energy Dispersive X-ray Spectroscopy. Microscopy and Microanalysis, 2019, 25, 2456-2457.	0.2	2
42	Mineralogy and petrology of Dominion Range 08006: A very primitive CO3 carbonaceous chondrite. Geochimica Et Cosmochimica Acta, 2019, 265, 259-278.	1.6	42
43	Controlling the Infrared Dielectric Function through Atomic-Scale Heterostructures. ACS Nano, 2019, 13, 6730-6741.	7.3	33
44	High-pressure, high-temperature molecular doping of nanodiamond. Science Advances, 2019, 5, eaau6073.	4.7	40
45	A cometary building block in a primitive asteroidal meteorite. Nature Astronomy, 2019, 3, 659-666.	4.2	73
46	Effects of a Lead Chloride Shell on Lead Sulfide Quantum Dots. Journal of Physical Chemistry Letters, 2019, 10, 1914-1918.	2.1	14
47	Spatially Resolved Chemical Analysis of Geobacter sulfurreducens Cell Surface. ACS Nano, 2019, 13, 4834-4842.	7.3	10
48	High abundances of presolar grains and 15N-rich organic matter in CO3.0 chondrite Dominion Range 08006. Geochimica Et Cosmochimica Acta, 2018, 226, 107-131.	1.6	42
49	From amorphous to nanocrystalline: the effect of nanograins in an amorphous matrix on the thermal conductivity of hot-wire chemical-vapor deposited silicon films. Journal of Physics Condensed Matter, 2018, 30, 085301.	0.7	10
50	Phase-dependent space weathering effects and spectroscopic identification of retained helium in a lunar soil grain. Geochimica Et Cosmochimica Acta, 2018, 224, 64-79.	1.6	33
51	Bonanza: An extremely large dust grain from a supernova. Geochimica Et Cosmochimica Acta, 2018, 221, 60-86.	1.6	34
52	Study of Helium-Ion-Beam-Generated Defects in a Monolayer WS2 Using Aberration-Corrected Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 1596-1597.	0.2	0
53	Coordinated Nano-Scale EDS and EELS Measurements of Lunar Space-Weathered Material. Microscopy and Microanalysis, 2018, 24, 716-717.	0.2	0
54	Vibrational Electron Energy Loss Spectroscopy of Astrosilicates. Microscopy and Microanalysis, 2018, 24, 424-425.	0.2	0

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55	Aberration-Corrected Scanning Transmission Electron Microscopy and Energy-Dispersive Spectral Maps of DNA Origami Triangles Using Graphene Supports. Microscopy and Microanalysis, 2018, 24, 386-387.	0.2	2
56	High-temperature Dust Condensation around an AGB Star: Evidence from a Highly Pristine Presolar Corundum. Astrophysical Journal Letters, 2018, 862, L13.	3.0	17
57	Low Energy STEM-EELS Characterization of Primitive Organic Matter and Silicates in the Meteorite LAP 02342. Microscopy and Microanalysis, 2018, 24, 2074-2075.	0.2	1
58	Photothermal effects during nanodiamond synthesis from a carbon aerogel in a laser-heated diamond anvil cell. Diamond and Related Materials, 2018, 87, 134-142.	1.8	12
59	Synthesis and Characterization of PbS/ZnS Core/Shell Nanocrystals. Chemistry of Materials, 2018, 30, 4112-4123.	3.2	20
60	Coordinated Nanoscale Compositional and Oxidation State Measurements of Lunar Spaceâ€Weathered Material. Journal of Geophysical Research E: Planets, 2018, 123, 2022-2037.	1.5	25
61	DISPERSION OF NANOCLAY IN 1,4-POLYBUTADIENE. Rubber Chemistry and Technology, 2018, 91, 633-643.	0.6	1
62	Strain Effects in Epitaxial VO₂ Thin Films on Columnar Buffer-Layer TiO₂/Al₂O₃ Virtual Substrates. ACS Applied Materials & Interfaces, 2017, 9, 1577-1584.	4.0	49
63	The nature, origin and modification of insoluble organic matter in chondrites, the major source of Earthâ€™s C and N. Chemie Der Erde, 2017, 77, 227-256.	0.8	163
64	Chemically exfoliating large sheets of phosphorene via choline chloride urea viscosity-tuning. Nanotechnology, 2017, 28, 155601.	1.3	11
65	Coordinated <scp>EDX</scp> and microâ€Raman analysis of presolar silicon carbide: A novel, nondestructive method to identify rare subgroup SiC. Meteoritics and Planetary Science, 2017, 52, 2550-2569.	0.7	16
66	Evidence for Reduced, Carbon-rich Regions in the Solar Nebula from an Unusual Cometary Dust Particle. Astrophysical Journal, 2017, 848, 113.	1.6	7
67	Characterizing Multi-layer Pristine Graphene, Its Contaminants, and Their Origin Using Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 1740-1741.	0.2	3
68	Plasmonic Aerogels as a Three-Dimensional Nanoscale Platform for Solar Fuel Photocatalysis. Langmuir, 2017, 33, 9444-9454.	1.6	33
69	Thermal conductivity of amorphous and nanocrystalline silicon films prepared by hot-wire chemical-vapor deposition. Physical Review B, 2017, 96, .	1.1	25
70	Oxidation-stable plasmonic copper nanoparticles in photocatalytic TiO₂ nanoarchitectures. Nanoscale, 2017, 9, 11720-11729.	2.8	76
71	Identification of Rare Polytypes of Presolar SiC with Coordinated TEM, Raman Spectroscopy and NanoSIMS Measurements. Microscopy and Microanalysis, 2017, 23, 2134-2135.	0.2	1
72	Alteration of Helium-Filled Bubbles and Space Weathered Material During Heating in the TEM. Microscopy and Microanalysis, 2017, 23, 2140-2141.	0.2	0

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73	Visualizing Iron Oxidation State in a Possible Cometary Clast from Carbonaceous Meteorite LAP 02342. Microscopy and Microanalysis, 2017, 23, 2150-2151.	0.2	1
74	FIB/STEM Investigation of Four Impact Craters from the Stardust Comet Sample Return Mission Foils. Microscopy and Microanalysis, 2017, 23, 2190-2191.	0.2	1
75	Aberration-corrected Scanning Transmission Electron Microscopy and Spectroscopy of Nonprecious Metal Nanoparticles in Titania Aerogels. Microscopy and Microanalysis, 2016, 22, 324-325.	0.2	0
76	Individual heteroatom identification with X-ray spectroscopy. Applied Physics Letters, 2016, 108, .	1.5	14
77	(S)TEM Characterization of Chemically Exfoliated Black Phosphorus. Microscopy and Microanalysis, 2016, 22, 1544-1545.	0.2	0
78	Every Atom has a Story to Tell: Using Single-Atom-Sensitivity Imaging and Spectroscopy to Determine Origins of Cosmic Nanodiamonds. Microscopy and Microanalysis, 2016, 22, 866-867.	0.2	0
79	Submicrometer-scale spatial heterogeneity in silicate glasses using aberration-corrected scanning transmission electron microscopy. American Mineralogist, 2016, 101, 2677-2688.	0.9	14
80	Structural Impact on Dielectric Properties of Zirconia. Journal of Physical Chemistry C, 2016, 120, 26834-26840.	1.5	21
81	The Effect of Preparation Conditions on Raman and Photoluminescence of Monolayer WS2. Scientific Reports, 2016, 6, 35154.	1.6	107
82	Determination of the Modal Abundance of Nano-Scale Amorphous Phases Using Selected Area Electron Diffraction Mapping. Microscopy and Microanalysis, 2016, 22, 1786-1787.	0.2	2
83	Nanophase Fe-Oxide, Fe-Sulfide, and Ilmenite in High-Ti Lunar Soil using Aberration-Corrected STEM-EELS and EDS. Microscopy and Microanalysis, 2016, 22, 1798-1799.	0.2	0
84	Transfer of Chemically Modified Graphene with Retention of Functionality for Surface Engineering. Nano Letters, 2016, 16, 1455-1461.	4.5	19
85	Towards Automated Segmentation Methods for 3D Tomography Studies of the Morphology of Carbon Nanoglobules in Chondritic Meteorites. Microscopy and Microanalysis, 2015, 21, 2101-2102.	0.2	0
86	Nanoscale Variation in Carbonaceous Matter from Primitive Meteorites Revealed by Aberration-Corrected STEM. Microscopy and Microanalysis, 2015, 21, 2265-2266.	0.2	0
87	Aberration-Corrected STEM-EELS Measurements in Fe-bearing Silicate Glasses. Microscopy and Microanalysis, 2015, 21, 1527-1528.	0.2	0
88	Name that Atom in 60 Seconds or Less: Energy Dispersive X-Ray Spectroscopy of Individual Heteroatoms in Low Dimensional Materials. Microscopy and Microanalysis, 2015, 21, 1427-1428.	0.2	2
89	Optical Dark-Field and Electron Energy Loss Imaging and Spectroscopy of Symmetry-Forbidden Modes in Loaded Nanogap Antennas. ACS Nano, 2015, 9, 6222-6232.	7.3	10
90	Optical dark field and electron energy loss imaging and spectroscopy of symmetry-forbidden modes in loaded nanogap antennas (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0

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91	Shell Structure and Growth in the Base Plate of the Barnacle Amphibalanus amphitrite. ACS Biomaterials Science and Engineering, 2015, 1, 1085-1095.	2.6	10
92	Correlating Changes in Electron Lifetime and Mobility on Photocatalytic Activity at Network-Modified TiO₂ Aerogels. Journal of Physical Chemistry C, 2015, 119, 17529-17538.	1.5	42
93	CIRCUMSTELLAR MAGNETITE FROM THE LAP 031117 CO3.0 CHONDRITE. Astrophysical Journal, 2015, 808, 55.	1.6	17
94	Coordinated Microanalyses of Seven Particles of Probable Interstellar Origin from the Stardust Mission.. Microscopy and Microanalysis, 2014, 20, 1692-1693.	0.2	9
95	Stardust Interstellar Preliminary Examination X: Impact speeds and directions of interstellar grains on the Stardust dust collector. Meteoritics and Planetary Science, 2014, 49, 1680-1697.	0.7	24
96	Testing variations within the Tagish Lake meteoriteâ€"I: Mineralogy and petrology of pristine samples. Meteoritics and Planetary Science, 2014, 49, 473-502.	0.7	45
97	Stardust Interstellar Preliminary Examination <scp>IX</scp>: Highâ€speed interstellar dust analog capture in Stardust flightâ€spare aerogel. Meteoritics and Planetary Science, 2014, 49, 1666-1679.	0.7	19
98	Stardust Interstellar Preliminary Examination <scp>XI</scp>: Identification and elemental analysis of impact craters on Al foils from the Stardust Interstellar Dust Collector. Meteoritics and Planetary Science, 2014, 49, 1698-1719.	0.7	16
99	Stardust Interstellar Preliminary Examination VIII: Identification of crystalline material in two interstellar candidates. Meteoritics and Planetary Science, 2014, 49, 1645-1665.	0.7	12
100	Stardust Interstellar Preliminary Examination <scp>VII</scp>: Synchrotron Xâ€ray fluorescence analysis of six Stardust interstellar candidates measured with the Advanced Photon Source 2â€<scp>ID</scp>â€D microprobe. Meteoritics and Planetary Science, 2014, 49, 1626-1644.	0.7	13
101	Stardust Interstellar Preliminary Examination <scp>VI</scp>: Quantitative elemental analysis by synchrotron Xâ€ray fluorescence nanoimaging of eight impact features in aerogel. Meteoritics and Planetary Science, 2014, 49, 1612-1625.	0.7	12
102	The MAGIC meteoric smoke particle sampler. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 118, 127-144.	0.6	9
103	Stardust Interstellar Preliminary Examination V: <scp>XRF</scp> analyses of interstellar dust candidates at <scp>ESRF ID</scp>13. Meteoritics and Planetary Science, 2014, 49, 1594-1611.	0.7	12
104	Final reports of the Stardust Interstellar Preliminary Examination. Meteoritics and Planetary Science, 2014, 49, 1720-1733.	0.7	29
105	Enhanced Jahn-Teller response induced by low-dose 10â€‰MeV I+ irradiation of La0.7Ca0.3MnO3â^Î´ films. Applied Physics Letters, 2014, 104, 212404.	1.5	1
106	Stardust Interstellar Preliminary Examination <scp>II</scp>: Curating the interstellar dust collector, picokeystones, and sources of impact tracks. Meteoritics and Planetary Science, 2014, 49, 1522-1547.	0.7	18
107	Stardust Interstellar Preliminary Examination <scp>III</scp>: Infrared spectroscopic analysis of interstellar dust candidates. Meteoritics and Planetary Science, 2014, 49, 1548-1561.	0.7	12
108	Stardust Interstellar Preliminary Examination I: Identification of tracks in aerogel. Meteoritics and Planetary Science, 2014, 49, 1509-1521.	0.7	16

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109	Stardust Interstellar Preliminary Examination <scp>IV</scp>: Scanning transmission Xâ€ray microscopy analyses of impact features in the Stardust Interstellar Dust Collector. Meteoritics and Planetary Science, 2014, 49, 1562-1593.	0.7	18
110	Evidence for interstellar origin of seven dust particles collected by the Stardust spacecraft. Science, 2014, 345, 786-791.	6.0	152
111	A transmission electron microscopy study of presolar spinel. Geochimica Et Cosmochimica Acta, 2014, 124, 152-169.	1.6	29
112	3D Nanoscale Analysis Using Focused Ion Beam Tomography of Carbonaceous Nanoglobules in Matrix Materials from the Tagish Lake Meterorite. Microscopy and Microanalysis, 2014, 20, 318-319.	0.2	0
113	Coordinated Electron and X-ray Microscopy of Cometary Organic Matter Collected by the NASA Stardust Mission.. Microscopy and Microanalysis, 2014, 20, 1694-1695.	0.2	1
114	Morphologies, Isotopes, Crystal Structures, and Microstructures of Presolar Al2O3 Grains: a NanoSIMS, EBSD, EDS, CL, and FIB-TEM study. Microscopy and Microanalysis, 2014, 20, 1696-1697.	0.2	0
115	Determination of the Effects of Hydrothermal Alteration on Silicate Stardust with Secondary Ion Mass Spectrometry and Transmission Electron Microscopy. Microscopy and Microanalysis, 2014, 20, 1698-1699.	0.2	0
116	Plasmonic enhancement of visible-light water splitting with Auâ€“TiO2 composite aerogels. Nanoscale, 2013, 5, 8073.	2.8	130
117	Isotopic and chemical variation of organic nanoglobules in primitive meteorites. Meteoritics and Planetary Science, 2013, 48, 904-928.	0.7	78
118	Controlling the Crystallinity of Electrochemically Deposited CdS Nanowires. Journal of Physical Chemistry C, 2013, 117, 11843-11849.	1.5	5
119	HIGHLY CONCENTRATED NEBULAR NOBLE GASES IN POROUS NANOCARBON SEPARATES FROM THE SARATOV (L4) METEORITE. Astrophysical Journal, 2013, 778, 37.	1.6	13
120	Divalentâ€“Anion Salt Effects in Polyelectrolyte Multilayer Depositions. Langmuir, 2012, 28, 15831-15843.	1.6	46
121	Circumstellar and interstellar material in the CO3 chondrite ALHA77307: An isotopic and elemental investigation. Geochimica Et Cosmochimica Acta, 2012, 93, 77-101.	1.6	50
122	Layer-by-Layer Assembly of Heterogeneous Modular Nanocomposites. Journal of Physical Chemistry C, 2012, 116, 1694-1701.	1.5	22
123	An Elastomeric Poly(Thiopheneâ€EDOT) Composite with a Dynamically Variable Permeability Towards Organic and Water Vapors. Advanced Functional Materials, 2012, 22, 3116-3127.	7.8	13
124	Minimizing damage during FIB sample preparation of soft materials. Journal of Microscopy, 2012, 245, 288-301.	0.8	144
125	Automated searching of Stardust interstellar foils. Meteoritics and Planetary Science, 2012, 47, 729-736.	0.7	7
126	Synthesis of PbSe nanowires: the impact of alkylphosphonic acid addition. Journal of Materials Chemistry, 2011, 21, 2616.	6.7	8

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127	SUPERNOVA SHOCK-WAVE-INDUCED CO-FORMATION OF GLASSY CARBON AND NANODIAMOND. Astrophysical Journal Letters, 2011, 738, L27.	3.0	42
128	Size and Temperature Dependence of Band-Edge Excitons in PbSe Nanowires. Journal of Physical Chemistry Letters, 2011, 2, 527-531.	2.1	20
129	Architectural integration of the components necessary for electrical energy storage on the nanoscale and in 3D. Nanoscale, 2011, 3, 1731.	2.8	38
130	Correlated microanalysis of cometary organic grains returned by Stardust. Meteoritics and Planetary Science, 2011, 46, 1376-1396.	0.7	53
131	Origin and Evolution of Prebiotic Organic Matter As Inferred from the Tagish Lake Meteorite. Science, 2011, 332, 1304-1307.	6.0	189
132	A TRANSMISSION ELECTRON MICROSCOPY STUDY OF PRESOLAR HIBONITE. Astrophysical Journal, 2011, 730, 83.	1.6	23
133	Young poorly crystalline graphite in the >3.8-Gyr-old Nuvvuagittuq banded iron formation. Nature Geoscience, 2011, 4, 376-379.	5.4	51
134	Laboratory technology and cosmochemistry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19135-19141.	3.3	21
135	Establishing a molecular relationship between chondritic and cometary organic solids. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19171-19176.	3.3	181
136	COORDINATED ANALYSES OF PRESOLAR GRAINS IN THE ALLAN HILLS 77307 AND QUEEN ELIZABETH RANGE 99177 METEORITES. Astrophysical Journal, 2010, 719, 166-189.	1.6	113
137	Function of human Rh based on structure of RhCG at 2.1Âå„«. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9638-9643.	3.3	178
138	Structural context shapes the aquaporin selectivity filter. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17164-17169.	3.3	74
139	Band-edge excitons in PbSe nanocrystals and nanorods. Physical Review B, 2010, 82, .	1.1	32
140	Exchange bias in a single phase ferrimagnet. Journal of Applied Physics, 2010, 107, .	1.1	19
141	Non-destructive search for interstellar dust using synchrotron microprobes. , 2010, , .		8
142	Lateral opening of a translocon upon entry of protein suggests the mechanism of insertion into membranes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17182-17187.	3.3	155
143	Spectroscopic and microscopic characterizations of color lamellae in natural pink diamonds. Diamond and Related Materials, 2010, 19, 1207-1220.	1.8	71
144	Isotopic anomalies in organic nanoglobules from Comet 81P/Wild 2: Comparison to Murchison nanoglobules and isotopic anomalies induced in terrestrial organics by electron irradiation. Geochimica Et Cosmochimica Acta, 2010, 74, 4454-4470.	1.6	100

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145	Ancient graphite in the Eoarchean quartzâ€“pyroxene rocks from Akilia in southern West Greenland I: Petrographic and spectroscopic characterization. Geochimica Et Cosmochimica Acta, 2010, 74, 5862-5883.	1.6	55
146	Ancient graphite in the Eoarchean quartz-pyroxene rocks from Akilia in southern West Greenland II: Isotopic and chemical compositions and comparison with Paleoproterozoic banded iron formations. Geochimica Et Cosmochimica Acta, 2010, 74, 5884-5905.	1.6	47
147	Mineral associations and character of isotopically anomalous organic material in the Tagish Lake carbonaceous chondrite. Geochimica Et Cosmochimica Acta, 2010, 74, 5966-5983.	1.6	40
148	Comet 81P/Wild 2: The size distribution of finer (subâ€10â€ƒÎ¼m) dust collected by the Stardust spacecraft. Meteoritics and Planetary Science, 2010, 45, 1409-1428.	0.7	76
149	DIRECT LABORATORY ANALYSIS OF SILICATE STARDUST FROM RED GIANT STARS. Astrophysical Journal, 2009, 700, 774-782.	1.6	53
150	Catalytically-active complex of HIV-1 integrase with a viral DNA substrate binds anti-integrase drugs. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8192-8197.	3.3	33
151	Triple Fâ€”a comet nucleus sample return mission. Experimental Astronomy, 2009, 23, 809-847.	1.6	14
152	Sonochemical Synthesis of Air-Insensitive Carbide-Stabilized Hafnium Subhydride Nanopowder. Chemistry of Materials, 2009, 21, 3469-3472.	3.2	18
153	Crystal structure of human aquaporin 4 at 1.8 â„« and its mechanism of conductance. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7437-7442.	3.3	297
154	Ultra-primitive interplanetary dust particles from the comet 26P/Griggâ€“Skjellerup dust stream collection. Earth and Planetary Science Letters, 2009, 288, 44-57.	1.8	187
155	Towards Low-Damage TEM Sample Preparation of Carbonaceous Materials in the Focused Ion Beam. Microscopy and Microanalysis, 2009, 15, 342-343.	0.2	0
156	Nickel Ferrite Aerogels with Monodisperse Nanoscale Building Blocksâ€”The Importance of Processing Temperature and Atmosphere. ACS Nano, 2008, 2, 784-790.	7.3	32
157	A TEM study of thermally modified comet 81P/Wild 2 dust particles by interactions with the aerogel matrix during the Stardust capture process. Meteoritics and Planetary Science, 2008, 43, 97-120.	0.7	73
158	Transmission electron microscopy of cometary residues from micronâ€sized craters in the Stardust Al foils. Meteoritics and Planetary Science, 2008, 43, 143-160.	0.7	34
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