

# Peter A Van Aken

## List of Publications by Year in descending order

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400  
papers

19,243  
citations

11651

70  
h-index

13771

129  
g-index

424  
all docs

424  
docs citations

424  
times ranked

21142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assembling Metal Organic Layer Composites for High-Performance Electrocatalytic CO <sub>2</sub> Reduction to Formate. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
2	Engineering ordered arrangements of oxygen vacancies at the surface of superconducting La <sub>2</sub> CuO <sub>4</sub> thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022, 40, .	2.1	9
3	Assembling Metal Organic Layer Composites for High-Performance Electrocatalytic CO <sub>2</sub> Reduction to Formate. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	25
4	Ruddlesden-Popper Faults in NdNiO <sub>3</sub> Thin Films. <i>Symmetry</i> , 2022, 14, 464.	2.2	7
5	Towards Recycling of LLZO Solid Electrolyte Exemplarily Performed on LFP/LLZO/LTO Cells**. <i>ChemistryOpen</i> , 2022, 11, e202100274.	1.9	11
6	Coupling of electronic and structural degrees of freedom in vanadate superlattices. <i>Physical Review B</i> , 2022, 105, .	3.2	1
7	Emergent multiferroism with magnetodielectric coupling in EuTiO <sub>3</sub> created by a negative pressure control of strong spin-phonon coupling. <i>Nature Communications</i> , 2022, 13, 2364.	12.8	23
8	An optimized TEM specimen preparation method of quantum nanostructures. <i>Micron</i> , 2021, 140, 102979.	2.2	15
9	2D Doping of Proton Conductors: BaZrO <sub>3</sub> -Based Heterostructures. <i>Advanced Energy Materials</i> , 2021, 11, 2003267.	19.5	6
10	Interaction of edge exciton polaritons with engineered defects in the hyperbolic material Bi <sub>2</sub> Se <sub>3</sub> . <i>Communications Materials</i> , 2021, 2, .	6.9	13
11	Strong Exciton-Photon Interactions in the van der Waals Materials Probed by Electron Beams. , 2021, , .		0
12	Control of the metal-insulator transition in NdNiO <sub>3</sub> thin films through the interplay between structural and electronic properties. <i>Physical Review Materials</i> , 2021, 5, .	2.4	6
13	Optoelectronic Inactivity of Dislocations in Cu(In,Ga)Se <sub>2</sub> Thin Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100042.	2.4	2
14	Oxygen-evolving catalytic atoms on metal carbides. <i>Nature Materials</i> , 2021, 20, 1240-1247.	27.5	235
15	Optical conductivity and superconductivity in highly overdoped La <sub>2-x</sub> Ca <sub>x</sub> CuO <sub>4</sub> thin films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
16	Interplay between structural and electronic properties with the metal-insulator transition in NdNiO <sub>3</sub> thin films. <i>Microscopy and Microanalysis</i> , 2021, 27, 144-145.	0.4	0
17	How sharp are atomically sharp high-Tc La <sub>2</sub> CuO <sub>4</sub> interfaces?. <i>Microscopy and Microanalysis</i> , 2021, 27, 700-701.	0.4	0
18	Facile Preparation of MoS <sub>2</sub> Nanocomposites for Efficient Potassium-Ion Batteries by Grinding-Promoted Intercalation Exfoliation. <i>Small</i> , 2021, 17, e2102263.	10.0	30

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19	Improved uniformity and threshold voltage in NbOx-ZrO2 selectors. Applied Physics Letters, 2021, 119, .	3.3	3
20	Grain boundary blocking effects in Sm/Yb-doped AlN ceramics. Journal of the European Ceramic Society, 2021, 41, 4870-4875.	5.7	18
21	Orbital engineering in $O_3$ superlattices. Physical Review B, 2021, 104, .	3.2	4
22	Ion transport in nanocrystalline CaF2 films. Journal of Applied Physics, 2021, 130, 105301.	2.5	0
23	Atomic-Scale Tuning of the Charge Distribution by Strain Engineering in Oxide Heterostructures. ACS Nano, 2021, 15, 16228-16235.	14.6	8
24	Negatively Charged In-Plane and Out-Of-Plane Domain Walls with Oxygen-Vacancy Agglomerations in a Ca-Doped Bismuth-Ferrite Thin Film. ACS Applied Electronic Materials, 2021, 3, 4498-4508.	4.3	4
25	Coexisting commensurate and incommensurate charge ordered phases in CoO. Scientific Reports, 2021, 11, 19415.	3.3	0
26	Metal-Organic Framework-Derived Nanoconfinements of CoF <sub>2</sub> and Mixed-Conducting Wiring for High-Performance Metal Fluoride-Lithium Battery. ACS Nano, 2021, 15, 1509-1518.	14.6	69
27	A comparative study on GaSb epilayers grown on nominal and vicinal Si(100) substrates by molecular beam epitaxy. Semiconductor Science and Technology, 2021, 36, 025011.	2.0	6
28	Determination of Grain-Boundary Structure and Electrostatic Characteristics in a SrTiO <sub>3</sub> Bicrystal by Four-Dimensional Electron Microscopy. Nano Letters, 2021, 21, 9138-9145.	9.1	15
29	Topotactic transformation of single crystals: From perovskite to infinite-layer nickelates. Science Advances, 2021, 7, eabl8091.	10.3	32
30	The Mechanical Consequences of the Interplay of Mineral Distribution and Organic Matrix Orientation in the Claws of the Sea Slater Ligia pallasii. Minerals (Basel, Switzerland), 2021, 11, 1373.	2.0	5
31	Design of Complex Oxide Interfaces by Oxide Molecular Beam Epitaxy. Journal of Superconductivity and Novel Magnetism, 2020, 33, 107-120.	1.8	25
32	Metal-organic framework-derived high conductivity Fe3C with porous carbon on graphene as advanced anode materials for aqueous battery-supercapacitor hybrid devices. Journal of Power Sources, 2020, 448, 227403.	7.8	60
33	Direct Observation of Huge Flexoelectric Polarization around Crack Tips. Nano Letters, 2020, 20, 88-94.	9.1	39
34	Hollow Mesoporous Carbon Spheres for High Performance Symmetrical and Aqueous Zinc-Ion Hybrid Supercapacitor. Frontiers in Chemistry, 2020, 8, 663.	3.6	38
35	High-resolution Analytical STEM of Defects and Interfaces in Beam-sensitive Ultra-thin Cuprate Films. Microscopy and Microanalysis, 2020, 26, 2972-2973.	0.4	0
36	Probing Charge Accumulation at SrMnO <sub>3</sub> /SrTiO <sub>3</sub> Heterointerfaces via Advanced Electron Microscopy and Spectroscopy. ACS Nano, 2020, 14, 12697-12707.	14.6	9

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37	Strain-induced structural transition in DyBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films grown by atomic layer-by-layer molecular beam epitaxy. Applied Physics Letters, 2020, 117, .	3.3	8
38	Atomic-scale Identification of High-temperature Superconductivity at La <sub>2</sub> CuO <sub>4</sub> Interfaces. Microscopy and Microanalysis, 2020, 26, 738-739.	0.4	0
39	Atomic-scale Considerations on LaNiO <sub>3</sub> -La <sub>2</sub> CuO <sub>4</sub> Heterostructures: Interface-thermoelectricity Relationship. Microscopy and Microanalysis, 2020, 26, 2626-2627.	0.4	0
40	Analysis of Mineralized Matrices in Calcium Bodies with and Without Bacteria in Two Species of Terrestrial Crustaceans. Microscopy and Microanalysis, 2020, 26, 2746-2747.	0.4	0
41	Secondary-Phase-Assisted Grain Boundary Migration in CuInSe <sub>2</sub> . Physical Review Letters, 2020, 124, 095702.	7.8	5
42	Tuning the resistive switching in tantalum oxide-based memristors by annealing. AIP Advances, 2020, 10, .	1.3	4
43	Multiwavelength-Steerable Visible-Light-Driven Magnetic CoO-TiO <sub>2</sub> Microswimmers. ACS Applied Materials & Interfaces, 2020, 12, 24149-24155.	8.0	35
44	Structural, Electronic and Magnetic Properties of a Few Nanometer-Thick Superconducting NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Films. Nanomaterials, 2020, 10, 817.	4.1	0
45	Toroidal Moments Probed by Electron Beams. Journal of Physics: Conference Series, 2020, 1461, 012174.	0.4	1
46	Substrate-Selective Morphology of Cesium Iodide Clusters on Graphene. ACS Nano, 2020, 14, 4626-4635.	14.6	20
47	Inhomogeneous ferromagnetism mimics signatures of the topological Hall effect in $\text{SrRuO}_3$ films. Physical Review Materials, 2020, 4, .	2.0	2
48	Probing plasmonic excitation mechanisms and far-field radiation of single-crystalline gold tapers with electrons. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190599.	3.4	2
49	Improved sample preparation of beam-sensitive ultra-thin cuprate films. Microscopy and Microanalysis, 2019, 25, 686-687.	0.4	4
50	Orientation of Organic Fibers and the Presence of Amorphous Calcium Phosphate in Elongated Crustacean Skeletal Elements. Microscopy and Microanalysis, 2019, 25, 1106-1107.	0.4	0
51	Metal Fluoride-Lithium Batteries: 3D Honeycomb Architecture Enables a High-Rate and Long-Life Iron (III) Fluoride-Lithium Battery (Adv. Mater. 43/2019). Advanced Materials, 2019, 31, 1970304.	21.0	2
52	Spin-entropy induced thermopower and spin-blockade effect in CoO. Physical Review B, 2019, 100, .	3.2	6
53	Electron-Driven Photon Sources for Spectral Interferometry using Electron Microscopes. , 2019, , .		0
54	TEM Sample Preparation of Patterned Quantum Dots. Microscopy and Microanalysis, 2019, 25, 790-791.	0.4	0

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55	Initial nucleation of amorphous Si <sub>3</sub> N <sub>4</sub> ceramics derived from polymer-precursors. Journal of Materials Science and Technology, 2019, 35, 2851-2858.	10.7	1
56	3D Honeycomb Architecture Enables a High-Rate and Long-Life Iron (III) Fluoride-Lithium Battery. Advanced Materials, 2019, 31, e1905146.	21.0	84
57	Combined imaging and analytical STEM of ultra-thin cuprate films. Microscopy and Microanalysis, 2019, 25, 1750-1751.	0.4	3
58	Far-Field Radiation of Three-Dimensional Plasmonic Gold Tapers near Apexes. ACS Photonics, 2019, 6, 2509-2516.	6.6	4
59	Prospect for detecting magnetism of a single impurity atom using electron magnetic chiral dichroism. Physical Review B, 2019, 100, .	3.2	4
60	Radiation of Dynamic Toroidal Moments. ACS Photonics, 2019, 6, 467-474.	6.6	22
61	Advances in ozonation and biodegradation processes to enhance chlorophenol abatement in multisubstrate wastewaters: a review. Environmental Science: Water Research and Technology, 2019, 5, 444-481.	2.4	38
62	High-temperature-grown buffer layer boosts electron mobility in epitaxial La-doped BaSnO <sub>3</sub> /SrZrO <sub>3</sub> heterostructures. APL Materials, 2019, 7, .	5.1	17
63	Boosting Sodium Storage in TiF <sub>3</sub> /Carbon Core/Sheath Nanofibers through an Efficient Mixed-Conducting Network. Advanced Energy Materials, 2019, 9, 1901470.	19.5	16
64	Natural Vermiculite Enables High-Performance in Lithium-Sulfur Batteries via Electrical Double Layer Effects. Advanced Functional Materials, 2019, 29, 1902820.	14.9	50
65	Silver nanowires with optimized silica coating as versatile plasmonic resonators. Scientific Reports, 2019, 9, 3859.	3.3	29
66	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium Storage Performance. Angewandte Chemie, 2019, 131, 7316-7321.	2.0	12
67	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium Storage Performance. Angewandte Chemie - International Edition, 2019, 58, 7238-7243.	13.8	80
68	Merging transformation optics with electron-driven photon sources. Nature Communications, 2019, 10, 599.	12.8	31
69	Magnetic Properties of Epitaxially Grown SrRuO <sub>3</sub> Nanodots. Nano Letters, 2019, 19, 1131-1135.	9.1	9
70	Tunable perpendicular exchange bias in oxide heterostructures. Physical Review Materials, 2019, 3, .	2.4	15
71	Electronic and vibrational signatures of ruthenium vacancies in Sr <sub>2</sub> FeMoO <sub>6</sub> thin films. Physical Review Materials, 2019, 3, .	2.4	15
72	TEM and HAADF STEM Imaging of Dislocation Loops in Irradiated GaAs. Acta Physica Polonica A, 2019, 136, 245-249.	0.5	3

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73	Imaging the atomic structure and local chemistry of platelets in natural type Ia diamond. <i>Nature Materials</i> , 2018, 17, 243-248.	27.5	17
74	Electron microscopy of polyoxometalate ions on graphene by electrospray ion beam deposition. <i>Nanoscale</i> , 2018, 10, 4952-4961.	5.6	23
75	Structure and chemistry of interfaces between ceria and yttria-stabilized zirconia studied by analytical STEM. <i>Ultramicroscopy</i> , 2018, 188, 90-100.	1.9	5
76	Long-Range Coupling of Toroidal Moments for the Visible. <i>ACS Photonics</i> , 2018, 5, 1326-1333.	6.6	11
77	A Sulfur-Limonene-Based Electrode for Lithium-Sulfur Batteries: High Performance by Self-Protection. <i>Advanced Materials</i> , 2018, 30, e1706643.	21.0	114
78	Fuel-Free Nanocap-Like Motors Actuated Under Visible Light. <i>Advanced Functional Materials</i> , 2018, 28, 1705862.	14.9	52
79	Validating the technological feasibility of yttria-stabilized zirconia-based semiconducting-ionic composite in intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2018, 384, 318-327.	7.8	32
80	Tailoring the electronic properties of Ca <sub>2</sub> RuO <sub>4</sub> via epitaxial strain. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	27
81	High-temperature superconductivity at the lanthanum cuprate/lanthanum-strontium nickelate interface. <i>Nanoscale</i> , 2018, 10, 8712-8720.	5.6	12
82	Towards atomically resolved EELS elemental and fine structure mapping via multi-frame and energy-offset correction spectroscopy. <i>Ultramicroscopy</i> , 2018, 184, 98-105.	1.9	17
83	Theory and applications of toroidal moments in electrodynamics: their emergence, characteristics, and technological relevance. <i>Nanophotonics</i> , 2018, 7, 93-110.	6.0	96
84	Top-down synthesis of interconnected two-dimensional carbon/antimony hybrids as advanced anodes for sodium storage. <i>Energy Storage Materials</i> , 2018, 10, 122-129.	18.0	50
85	Strain-induced indium clustering in non-polar a-plane InGa <sub>N</sub> quantum wells. <i>Acta Materialia</i> , 2018, 145, 109-122.	7.9	7
86	Compositional and engineering adaptations in dentine explored by analytical STEM. <i>Microscopy and Microanalysis</i> , 2018, 24, 1274-1275.	0.4	1
87	Direct Visualization and Image Simulations of Oxygen Sublattice Occupancy in Thin Cuprate Films. <i>Microscopy and Microanalysis</i> , 2018, 24, 76-77.	0.4	3
88	Bio-templated Multilayered Organic-Inorganic Composites Investigated by Analytical STEM. <i>Microscopy and Microanalysis</i> , 2018, 24, 1326-1327.	0.4	0
89	Atomically Resolved EELS Elemental and Fine Structure Mapping via Multi-Frame and Energy-Offset Correction Acquisition. <i>Microscopy and Microanalysis</i> , 2018, 24, 448-449.	0.4	1
90	Ultrathin Ti <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> Nanosheets with Pseudocapacitive Properties as Superior Anode for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, e1804378.	21.0	117

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91	Correcting the linear and nonlinear distortions for atomically resolved STEM spectrum and diffraction imaging. <i>Microscopy (Oxford, England)</i> , 2018, 67, i114-i122.	1.5	26
92	EDGE 2017 “Enhanced Data Generated by Electrons, Okinawa, May 2017. <i>Microscopy (Oxford, England)</i> , 2018, 67, i1-i2.	1.5	1
93	High-Temperature Thermoelectricity in $\text{LaNiO}_3$ “ $\text{La}_2\text{CuO}_4$ Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22786-22792.	8.0	12
94	Complex magnetic order in nickelate slabs. <i>Nature Physics</i> , 2018, 14, 1097-1102.	16.7	37
95	Cross-Linking Hollow Carbon Sheet Encapsulated $\text{CuP}_2$ Nanocomposites for High Energy Density Sodium-Ion Batteries. <i>ACS Nano</i> , 2018, 12, 7018-7027.	14.6	99
96	Elucidating the Mechanism of an RbF Post Deposition Treatment in CIGS Thin Film Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1800156.	5.8	78
97	Exfoliation of a non-van der Waals material from iron ore hematite. <i>Nature Nanotechnology</i> , 2018, 13, 602-609.	31.5	295
98	Probing Jahn-Teller Distortions at Superconducting $\text{La}_2\text{CuO}_4$ Interfaces. <i>Microscopy and Microanalysis</i> , 2018, 24, 78-79.	0.4	1
99	STEM SI Warp: A Tool for Correcting the Linear and Nonlinear Distortions for Atomically Resolved STEM Spectrum and Diffraction Imaging. <i>Microscopy and Microanalysis</i> , 2018, 24, 132-133.	0.4	8
100	Analytical STEM of Amorphous and Crystalline Mineral Phases in Calcium Bodies of Terrestrial Crustaceans. <i>Microscopy and Microanalysis</i> , 2018, 24, 1344-1345.	0.4	0
101	Structural optimization and amorphous calcium phosphate mineralization in sensory setae of a terrestrial crustacean (Isopoda: Oniscidea). <i>Micron</i> , 2018, 112, 26-34.	2.2	8
102	Digital modulation of the nickel valence state in a cuprate-nickelate heterostructure. <i>Physical Review Materials</i> , 2018, 2, .	2.4	22
103	Strain and size combined effects on the GaN band structure: VEELS and DFT study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5430-5434.	2.8	5
104	Comparative study of $\text{LaNiO}_3/\text{LaAlO}_3$ heterostructures grown by pulsed laser deposition and oxide molecular beam epitaxy. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	29
105	Correction to Step-Flow Growth of $\text{Bi}_2\text{Te}_3$ Nanobelts. <i>Crystal Growth and Design</i> , 2017, 17, 1438-1438.	3.0	3
106	Impact of interfacial coupling of oxygen octahedra on ferromagnetic order in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrTiO}_3$ heterostructures. <i>Scientific Reports</i> , 2017, 7, 40068.	3.3	25
107	Effect of Sludge Retention Time on the Efficiency of Excess Sludge Reduction by Ultrasonic Disintegration. <i>Lecture Notes in Civil Engineering</i> , 2017, , 131-137.	0.4	0
108	Polyphosphate-accumulating bacterial community colonizing the calcium bodies of terrestrial isopod crustaceans <i>Titanethes albus</i> and <i>Hyloniscus riparius</i> . <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	2

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109	Charge separation and transport in La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> and ion-doping ceria heterostructure material for new generation fuel cell. Nano Energy, 2017, 37, 195-202.	16.0	115
110	Peapodâ€like Li <sub>3</sub> VO <sub>4</sub> /Nâ€Doped Carbon Nanowires with Pseudocapacitive Properties as Advanced Materials for Highâ€Energy Lithiumâ€Ion Capacitors. Advanced Materials, 2017, 29, 1700142.	21.0	298
111	A pilot-scale coupling of ozonation and biodegradation of 2,4-dichlorophenol-containing wastewater: The effect of biomass acclimation towards chlorophenol and intermediate ozonation products. Journal of Cleaner Production, 2017, 161, 1432-1441.	9.3	34
112	A High Powerâ€High Energy Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Sodium Cathode: Investigation of Transport Parameters, Rational Design and Realization. Chemistry of Materials, 2017, 29, 5207-5215.	6.7	141
113	Phase constitution, Sr distribution and morphology of self-assembled La-Sr-Co-O composite films prepared by PLD. Solid State Ionics, 2017, 303, 172-180.	2.7	15
114	Dualâ€Functionalized Double Carbon Shells Coated Silicon Nanoparticles for High Performance Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1605650.	21.0	325
115	Quantitative electron tomography of PLA/clay nanocomposites to understand the effect of the clays in the thermal stability. Journal of Applied Polymer Science, 2017, 134, .	2.6	8
116	Magnesium-Assisted Continuous Growth of Strongly Iron-Enriched Incisors. ACS Nano, 2017, 11, 239-248.	14.6	13
117	Influence of Substrate Temperature and Dopant Distribution at Two-Dimensionally Doped Superconducting La <sub>2</sub> CuO <sub>4</sub> Interfaces. Microscopy and Microanalysis, 2017, 23, 1570-1571.	0.4	0
118	Perfect quintuple layer Bi <sub>2</sub> Te <sub>3</sub> nanowires: Growth and thermoelectric properties. APL Materials, 2017, 5, .	5.1	3
119	Synthesis of Superconductor-Topological Insulator Hybrid Nanoribbon Structures. Nano, 2017, 12, 1750095.	1.0	0
120	Evidence for Cu <sub>2</sub> â€x</i>Se platelets at grain boundaries and within grains in Cu(In,Ga)Se <sub>2</sub> thin films. Applied Physics Letters, 2017, 111, .	3.3	12
121	Point defect segregation and its role in the detrimental nature of Frank partials in $\text{Cu}_{1-x}\text{In}_x\text{Se}_2$ thin-film absorbers. Physical Review B, 2017, 95, .	3.3	11
122	Interface Effects on the Ion Transport of Epitaxial Y <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> Films. ACS Applied Materials & Interfaces, 2017, 9, 27257-27265.	8.0	11
123	Measuring the Cation and Oxygen Atomic Column Displacement at Picometer Precision. Microscopy and Microanalysis, 2017, 23, 1612-1613.	0.4	0
124	Dopant size effects on novel functionalities: High-temperature interfacial superconductivity. Scientific Reports, 2017, 7, 453.	3.3	28
125	High Performance Graphene/Ni <sub>2</sub> P Hybrid Anodes for Lithium and Sodium Storage through 3D Yolkâ€Shellâ€Like Nanostructural Design. Advanced Materials, 2017, 29, 1604015.	21.0	220
126	STEM SI Warp: a Digital Micrograph script tool for warping the image distortions of atomically resolved spectrum image. Microscopy and Microanalysis, 2017, 23, 408-409.	0.4	2



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127	Magnesium-Supported Continuous Growth of Rodents' Incisors. <i>Microscopy and Microanalysis</i> , 2017, 23, 1320-1321.	0.4	0
128	Biomimetic Synthesis of Ceramic Composites. <i>Microscopy and Microanalysis</i> , 2017, 23, 1390-1391.	0.4	0
129	Exposing Advanced Building Strategies of Strongly Iron-Enriched Incisors. <i>Microscopy and Microanalysis</i> , 2017, 23, 1848-1849.	0.4	0
130	Octahedral Distortions at High-Temperature Superconducting $\text{La}_{2-x}\text{CuO}_{4-x}$ Interfaces: Visualizing Jahn-Teller Effects. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700737.	3.7	15
131	Interface engineering of $\text{Cu}(\text{In,Ga})\text{Se}_2$ and atomic layer deposited $\text{Zn}(\text{O,S})$ heterojunctions. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 08MC16.	1.5	3
132	Interaction between Relativistic Electrons and Mesoscopic Plasmonic Tapers. <i>Microscopy and Microanalysis</i> , 2017, 23, 1534-1535.	0.4	0
133	Roughening of a stepped GaN grain boundary with increasing driving force for migration. <i>Europhysics Letters</i> , 2017, 120, 16002.	2.0	4
134	Respirometric Evaluation of Toxicity of 2,4-Dichlorophenol Towards Activated Sludge and the Ability of Biomass Acclimation. <i>Lecture Notes in Civil Engineering</i> , 2017, , 60-67.	0.4	1
135	Complex Magnetic Order in Nickelate Slabs. <i>Springer Theses</i> , 2017, , 109-144.	0.1	0
136	Oxygen Octahedral Picker: A Digital Micrograph Script Tool for Extracting Quantitative Information From HAADF and ABF Images. <i>Microscopy and Microanalysis</i> , 2016, 22, 930-931.	0.4	0
137	Plasmons in Mesoscopic Gold Tapers. <i>Microscopy and Microanalysis</i> , 2016, 22, 294-295.	0.4	0
138	Structural Anisotropy in a Crustacean Claw Calcified with Amorphous Calcium Phosphate. <i>Microscopy and Microanalysis</i> , 2016, 22, 1868-1869.	0.4	0
139	Peapod-Like Carbon-Encapsulated Cobalt Chalcogenide Nanowires as Cycle-Stable and High-Rate Materials for Sodium-Ion Anodes. <i>Advanced Materials</i> , 2016, 28, 7276-7283.	21.0	237
140	A high-performance self-powered broadband photodetector based on a $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite/ $\text{ZnO}$ nanorod array heterostructure. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7302-7308.	5.5	159
141	MOF-Derived Hollow $\text{Co}_9\text{S}_8$ Nanoparticles Embedded in Graphitic Carbon Nanocages with Superior Li-Ion Storage. <i>Small</i> , 2016, 12, 2354-2364.	10.0	306
142	Compositional and electrical properties of line and planar defects in $\text{Cu}(\text{In,Ga})\text{Se}_2$ thin films for solar cells – a review. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 363-375.	2.4	47
143	Linking Dopant Distribution and Interatomic Distortions at $\text{La}_{1.6}\text{Mo}_4\text{CuO}_4/\text{La}_2\text{CuO}_4$ Superconducting Interfaces. <i>Microscopy and Microanalysis</i> , 2016, 22, 308-309.	0.4	3
144	The Railway Metropolis. , 2016, , 1-17.		2

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145	Step-Flow Growth of Bi <sub>2</sub> Te <sub>3</sub> Nanobelts. <i>Crystal Growth and Design</i> , 2016, 16, 6961-6966.	3.0	5
146	Advances in Momentum-Resolved Dispersion Investigations via Monochromated Electron Energy-Loss Spectroscopy. <i>Microscopy and Microanalysis</i> , 2016, 22, 978-979.	0.4	0
147	High Resolution STEM Study of Dy-doped Bi <sub>2</sub> Te <sub>3</sub> Thin Films. <i>Microscopy and Microanalysis</i> , 2016, 22, 1516-1517.	0.4	0
148	Atomic-Scale Quantitative Analysis of Lattice Distortions at Interfaces of Two-Dimensionally Sr-Doped La <sub>2</sub> CuO <sub>4</sub> Superlattices. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6763-6769.	8.0	16
149	Inline electron holography and VEELS for the measurement of strain in ternary and quaternary (In,Al,Ga)N alloyed thin films and its effect on bandgap energy. <i>Journal of Microscopy</i> , 2016, 261, 27-35.	1.8	3
150	Annihilation of structural defects in chalcogenide absorber films for high-efficiency solar cells. <i>Energy and Environmental Science</i> , 2016, 9, 1818-1827.	30.8	42
151	Electron-Beam-Induced Antiphase Boundary Reconstructions in a ZrO <sub>2</sub> -LSMO Pillar-Matrix System. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24177-24185.	8.0	2
152	Performance Improvement of Perovskite Solar Cells Based on PCBM-Modified ZnO-Nanorod Arrays. <i>IEEE Journal of Photovoltaics</i> , 2016, 6, 1530-1536.	2.5	20
153	Axially aligned organic fibers and amorphous calcium phosphate form the claws of a terrestrial isopod (Crustacea). <i>Journal of Structural Biology</i> , 2016, 195, 227-237.	2.8	18
154	Reflection and Phase Matching in Plasmonic Gold Tapers. <i>Nano Letters</i> , 2016, 16, 6137-6144.	9.1	28
155	Cationic Redistribution at Epitaxial Interfaces in Superconducting Two-Dimensionally Doped Lanthanum Cuprate Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27368-27375.	8.0	19
156	Preparation and characterization of Sm and Ca co-doped ceria <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3</sub> semiconductor-ion <sub>7</sub> composites for electrolyte-layer-free fuel cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15426-15436.	1.7	17
157	A Lamellar Hybrid Assembled from Metal Disulfide Nanowall Arrays Anchored on a Carbon Layer: In Situ Hybridization and Improved Sodium Storage. <i>Advanced Materials</i> , 2016, 28, 7774-7782.	21.0	142
158	Sample tilt effects on atom column position determination in ABF-STEM imaging. <i>Ultramicroscopy</i> , 2016, 160, 110-117.	1.9	47
159	Phage-assisted assembly of organic-inorganic hybrid bilayers. <i>International Journal of Materials Research</i> , 2016, 107, 295-299.	0.3	3
160	Formation of Pt-Zn Alloy Nanoparticles by Electron-Beam Irradiation of Wurtzite ZnO in the TEM. <i>Nanoscale Research Letters</i> , 2016, 11, 339.	5.7	3
161	Electron-Beam-Induced Antiphase Boundary Reconstructions in ZrO <sub>2</sub> -La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> Pillar-Matrix Structures. <i>Microscopy and Microanalysis</i> , 2016, 22, 1824-1825.	0.4	0
162	Magnetic and magnetotransport properties of ultrathin La <sub>0.7</sub> Ba <sub>0.3</sub> MnO <sub>3</sub> epitaxial films embedded in SrRuO <sub>3</sub> . <i>New Journal of Physics</i> , 2016, 18, 053021.	2.9	10

#	ARTICLE	IF	CITATIONS
163	Facile Solidâ€State Growth of 3D Wellâ€Interconnected Nitrogenâ€Rich Carbon Nanotubeâ€Graphene Hybrid Architectures for Lithiumâ€Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 1112-1119.	14.9	281
164	Oxygen octahedra picker: A software tool to extract quantitative information from STEM images. <i>Ultramicroscopy</i> , 2016, 168, 46-52.	1.9	55
165	Long-range charge-density-wave proximity effect at cuprate/manganate interfaces. <i>Nature Materials</i> , 2016, 15, 831-834.	27.5	46
166	Wedge Dyakonov Waves and Dyakonov Plasmons in Topological Insulator $\text{Bi}_2\text{Se}_3$ Probed by Electron Beams. <i>ACS Nano</i> , 2016, 10, 6988-6994.	14.6	43
167	Mapping the electrostatic potential of Au nanoparticles using hybrid electron holography. <i>Ultramicroscopy</i> , 2016, 165, 8-14.	1.9	9
168	High Powerâ€High Energy Sodium Battery Based on Threefold Interpenetrating Network. <i>Advanced Materials</i> , 2016, 28, 2409-2416.	21.0	205
169	Controlled self-assembly of biomolecular rods on structured substrates. <i>Soft Matter</i> , 2016, 12, 3177-3183.	2.7	3
170	Elemental redistributions at structural defects in $\text{Cu}(\text{In,Ga})\text{Se}_2$ thin films for solar cells. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	15
171	Stability of M13 Phage in Organic Solvents. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2016, 07, 72-77.	0.5	14
172	A General Strategy to Fabricate Carbonâ€Coated 3D Porous Interconnected Metal Sulfides: Case Study of $\text{SnS/C}$ Nanocomposite for Highâ€Performance Lithium and Sodium Ion Batteries. <i>Advanced Science</i> , 2015, 2, 1500200.	11.2	193
173	Field-Effect Transistors with Submicrometer Gate Lengths Fabricated from $\text{LaAlO}_3/\text{Si}$ Heterostructures. <i>Physical Review Applied</i> , 2015, 4, .	3.8	32
174	Massive Dirac Fermion Observed in Lanthanide-Doped Topological Insulator Thin Films. <i>Scientific Reports</i> , 2015, 5, 15767.	3.3	28
175	High spatial resolution mapping of individual and collective localized surface plasmon resonance modes of silver nanoparticle aggregates: correlation to optical measurements. <i>Nanoscale Research Letters</i> , 2015, 10, 1024.	5.7	12
176	Energy Storage Materials from Nature through Nanotechnology: A Sustainable Route from Reed Plants to a Silicon Anode for Lithiumâ€Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9632-9636.	13.8	245
177	Linking Atomic Structure and Local Chemistry at Manganeseâ€Segregated Antiphase Boundaries in $\text{ZrO}_2/\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ Thin Films. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500377.	3.7	12
178	Grapheneâ€Protected 3D $\text{Sb}_2\text{S}_3$ -Based Anodes Fabricated via Electrostatic Assembly and Confinement Replacement for Enhanced Lithium and Sodium Storage. <i>Small</i> , 2015, 11, 6026-6035.	10.0	87
179	Surprising high iron enrichment in hard dental tissues of rodents. <i>Microscopy and Microanalysis</i> , 2015, 21, 2289-2290.	0.4	0
180	Real-space Imaging of Plasmonic Modes of Gold Tapers by EFTEM and EELS. <i>Microscopy and Microanalysis</i> , 2015, 21, 2221-2222.	0.4	3

#	ARTICLE	IF	CITATIONS
181	Manganese Segregation at Antiphase Boundaries Connecting ZrO <sub>2</sub> Pillars in ZrO <sub>2</sub> -La <sub>2</sub> O <sub>3</sub> /SrTiO <sub>3</sub> /MnO <sub>2</sub> Pillar-Matrix Structures. <i>Microscopy and Microanalysis</i> , 2015, 21, 2067-2068.	0.4	1
182	Hybrid Calcium Phosphate Neuron-Like Structures under the Microscope. <i>Microscopy and Microanalysis</i> , 2015, 21, 1539-1540.	0.4	0
183	Synthesizing Porous NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Nanoparticles Embedded in 3D Graphene Networks for High-Rate and Long Cycle-Life Sodium Electrodes. <i>ACS Nano</i> , 2015, 9, 6610-6618.	14.6	260
184	High Lithium Storage Performance of FeS Nanodots in Porous Graphitic Carbon Nanowires. <i>Advanced Functional Materials</i> , 2015, 25, 2335-2342.	14.9	148
185	Direct mapping of strain state in nonpolar InGaN/GaN multilayers using dark-field inline electron holography. , 2015, . .		0
186	STEM-EELS analysis of multipole surface plasmon modes in symmetry-broken AuAg nanowire dimers. <i>Nanoscale</i> , 2015, 7, 4935-4941.	5.6	13
187	In situ reduction and coating of SnS <sub>2</sub> nanobelts for free-standing SnS <sub>2</sub> @polypyrrole-nanobelt/carbon-nanotube paper electrodes with superior Li-ion storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5259-5265.	10.3	92
188	3D V <sub>6</sub> O <sub>13</sub> Nanotextiles Assembled from Interconnected Nanogrooves as Cathode Materials for High-Energy Lithium Ion Batteries. <i>Nano Letters</i> , 2015, 15, 1388-1394.	9.1	194
189	Excitation of Mesoscopic Plasmonic Tapers by Relativistic Electrons: Phase Matching <i>versus</i> Eigenmode Resonances. <i>ACS Nano</i> , 2015, 9, 7641-7648.	14.6	61
190	The effect of ozonation on the toxicity and biodegradability of 2,4-dichlorophenol-containing wastewater. <i>Chemical Engineering Journal</i> , 2015, 280, 728-736.	12.7	73
191	Nanosheets of Earth-Abundant Jarosite as Novel Anodes for High-Rate and Long-Life Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10518-10524.	8.0	15
192	On the impact of indium distribution on the electronic properties in InGaN nanodisks. <i>Applied Physics Letters</i> , 2015, 106, 101910.	3.3	3
193	Structural and magnetic properties of ferrihydrite nanoparticles. <i>RSC Advances</i> , 2015, 5, 39643-39650.	3.6	13
194	Jarosite Nanosheets Fabricated via Room-Temperature Synthesis as Cathode Materials for High-Rate Lithium Ion Batteries. <i>Chemistry of Materials</i> , 2015, 27, 3143-3149.	6.7	26
195	Investigating hybridization schemes of coupled split-ring resonators by electron impacts. <i>Optics Express</i> , 2015, 23, 20721.	3.4	7
196	High-temperature superconductivity in space-charge regions of lanthanum cuprate induced by two-dimensional doping. <i>Nature Communications</i> , 2015, 6, 8586.	12.8	53
197	Engineering nanostructured electrode materials for high performance sodium ion batteries: a case study of a 3D porous interconnected WS <sub>2</sub> /C nanocomposite. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20487-20493.	10.3	71
198	Uniform yolk-shell Sn <sub>4</sub> P <sub>3</sub> @C nanospheres as high-capacity and cycle-stable anode materials for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2015, 8, 3531-3538.	30.8	401

#	ARTICLE	IF	CITATIONS
199	Rapid and Up-Scalable Fabrication of Free-Standing Metal Oxide Nanosheets for High-Performance Lithium Storage. <i>Small</i> , 2015, 11, 2011-2018.	10.0	48
200	Fast Li Storage in MoS <sub>2</sub> â€“Grapheneâ€“Carbon Nanotube Nanocomposites: Advantageous Functional Integration of OD, 1D, and 2D Nanostructures. <i>Advanced Energy Materials</i> , 2015, 5, 1401170.	19.5	155
201	â€“Fabrication And Plasmonic Characterization Of Au Nanowires With Controlled Surface Morphology. <i>Advanced Materials Letters</i> , 2015, 6, 377-382.	0.6	9
202	Materials News: Interfacial chemistry and atomic arrangement of ZrO <sub>2</sub> â€“ La <sub>2</sub> /3Sr <sub>1</sub> /3MnO <sub>3</sub> pillar-matrix structures. <i>APL Materials</i> , 2014, 2, .	5.1	8
203	Electron impact investigation of hybridization scheme in coupled split-ring resonators. , 2014, , .		0
204	Hybridization of Off-Axis and In-line High-Resolution Electron Holography. <i>Microscopy and Microanalysis</i> , 2014, 20, 272-273.	0.4	0
205	Strain mapping for advanced CMOS technologies. <i>Crystal Research and Technology</i> , 2014, 49, 38-42.	1.3	4
206	Cerium reduction at the interface between ceria and yttria-stabilised zirconia and implications for interfacial oxygen non-stoichiometry. <i>APL Materials</i> , 2014, 2, .	5.1	46
207	Mineralogy and defect microstructure of an olivine-dominated Itokawa dust particle: evidence for shock metamorphism, collisional fragmentation, and LL chondrite origin. <i>Earth, Planets and Space</i> , 2014, 66, 118.	2.5	16
208	Influence of TEM specimen preparation on chemical composition of Pb(Mg <sub>1</sub> /3Nb <sub>2</sub> /3)O <sub>3</sub> â€“PbTiO <sub>3</sub> single crystals. <i>Micron</i> , 2014, 62, 37-42.	2.2	9
209	Singleâ€“Layered Ultrasmall Nanoplates of MoS <sub>2</sub> Embedded in Carbon Nanofibers with Excellent Electrochemical Performance for Lithium and Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2152-2156.	13.8	826
210	Self-Supported Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> â€“C Nanotube Arrays as High-Rate and Long-Life Anode Materials for Flexible Li-Ion Batteries. <i>Nano Letters</i> , 2014, 14, 2597-2603.	9.1	397
211	Layer Selective Control of the Lattice Structure in Oxide Superlattices. <i>Advanced Materials</i> , 2014, 26, 258-262.	21.0	10
212	Facile Synthesis of Highly Porous Niâ€“Sn Intermetallic Microcages with Excellent Electrochemical Performance for Lithium and Sodium Storage. <i>Nano Letters</i> , 2014, 14, 6387-6392.	9.1	257
213	Nitrogen doped porous carbon fibres as anode materials for sodium ion batteries with excellent rate performance. <i>Nanoscale</i> , 2014, 6, 1384-1389.	5.6	542
214	Direct evidence of a conversion mechanism in a NiSnO <sub>3</sub> anode for lithium ion battery application. <i>RSC Advances</i> , 2014, 4, 36301-36306.	3.6	20
215	Quantitative determination of compositional profiles using HAADF image simulations. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 284-288.	0.8	1
216	Electrospun Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanofibers as stable cathode materials for sodium-ion batteries. <i>Nanoscale</i> , 2014, 6, 5081.	5.6	266

#	ARTICLE	IF	CITATIONS
217	Ge/C Nanowires as High-Capacity and Long-Life Anode Materials for Li-Ion Batteries. ACS Nano, 2014, 8, 7051-7059.	14.6	198
218	Lithium Potential Variations for Metastable Materials: Case Study of Nanocrystalline and Amorphous LiFePO <sub>4</sub> . Nano Letters, 2014, 14, 5342-5349.	9.1	33
219	Adsorption and Self-Assembly of M13 Phage into Directionally Organized Structures on C and SiO <sub>2</sub> Films. Langmuir, 2014, 30, 11428-11432.	3.5	22
220	Carbon-Coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Embedded in Porous Carbon Matrix: An Ultrafast Na-Storage Cathode with the Potential of Outperforming Li Cathodes. Nano Letters, 2014, 14, 2175-2180.	9.1	446
221	Large-scale low temperature fabrication of SnO <sub>2</sub> hollow/nanoporous nanostructures: the template-engaged replacement reaction mechanism and high-rate lithium storage. Nanoscale, 2014, 6, 11411-11418.	5.6	28
222	Carbon-Encapsulated Pyrite as Stable and Earth-Abundant High Energy Cathode Material for Rechargeable Lithium Batteries. Advanced Materials, 2014, 26, 6025-6030.	21.0	201
223	Influence of a Second Cation (M = Ca <sup>2+</sup> , Mg <sup>2+</sup> ) on the Phase Evolution of (Ba <sub>x</sub> M <sub>1-x</sub> )F <sub>2</sub> Starting from Amorphous Deposits. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1868-1875.	1.2	10
224	On the symmetry and topology of plasmonic eigenmodes in heptamer and hexamer nanocavities. Applied Physics A: Materials Science and Processing, 2014, 116, 947-954.	2.3	20
225	Atomic-Scale STEM-EELS Characterization of the Chemistry of Structural Defects and Interfaces in Energy-Related Materials. Microscopy and Microanalysis, 2014, 20, 562-563.	0.4	0
226	Plasmons of Hexamer and Pentamer Nanocavities Probed with Swift Electrons. Microscopy and Microanalysis, 2014, 20, 580-581.	0.4	0
227	Hybridization approach to in-line and off-axis (electron) holography for superior resolution and phase sensitivity. Scientific Reports, 2014, 4, 7020.	3.3	37
228	Electrochemical Route to Large-Area Mono-Crystalline Gold Platelets for High-Quality Plasmonic Applications. , 2014, , .		3
229	An FeF <sub>3</sub> ·0.5H <sub>2</sub> O Polytype: A Microporous Framework Compound with Intersecting Tunnels for Li and Na Batteries. Journal of the American Chemical Society, 2013, 135, 11425-11428.	13.7	177
230	Multichannel hollow TiO <sub>2</sub> nanofibers fabricated by single-nozzle electrospinning and their application for fast lithium storage. Electrochemistry Communications, 2013, 28, 54-57.	4.7	43
231	High spatial resolution mapping of surface plasmon resonance modes in single and aggregated gold nanoparticles assembled on DNA strands. Nanoscale Research Letters, 2013, 8, 337.	5.7	18
232	COD and AOX Removal and Biodegradability Assessment for Fenton and O <sub>3</sub> /UV Oxidation Processes: A Case Study from a Graphical Industry Wastewater. Ozone: Science and Engineering, 2013, 35, 16-21.	2.5	10
233	Tiny Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanoparticles embedded in carbon nanofibers as high-capacity and long-life anode materials for both Li-ion and Na-ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 20813.	2.8	78
234	Microstructure, chemistry, and electronic structure of natural hybrid composites in abalone shell. Micron, 2013, 48, 54-64.	2.2	22

#	ARTICLE	IF	CITATIONS
235	Hydrogen-Bond Reinforced Vanadia Nanofiber Paper of High Stiffness. <i>Advanced Materials</i> , 2013, 25, 2468-2473.	21.0	29
236	Numerical simulations of interference effects in photon-assisted electron energy-loss spectroscopy. <i>New Journal of Physics</i> , 2013, 15, 053013.	2.9	34
237	Toroidal Plasmonic Eigenmodes in Oligomer Nanocavities for the Visible Detected by EFTEM and 3D-FDTD Simulations. <i>Microscopy and Microanalysis</i> , 2013, 19, 1932-1933.	0.4	0
238	Mineralization of gold nanoparticles using tailored M13 phages. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2013, 2, 173-185.	0.9	14
239	Spectroscopy of optical modes with high spatial, temporal and energy resolution using electron-photon interference effects: A numerical study. , 2013, , .		0
240	A High-Capacity Cathode for Lithium Batteries Consisting of Porous Microspheres of Highly Amorphized Iron Fluoride Densified from Its Open Parent Phase. <i>Advanced Energy Materials</i> , 2013, 3, 113-119.	19.5	111
241	â€œNano-Pearl-Stringâ€•TiNb <sub>2</sub> O <sub>7</sub> as Anodes for Rechargeable Lithium Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 49-53.	19.5	220
242	Evolution of order in amorphous-to-crystalline phase transformation of MgF <sub>2</sub> . <i>Journal of Applied Crystallography</i> , 2013, 46, 1105-1116.	4.5	39
243	Plasmon energy from strained GaN quantum wells. <i>Applied Physics Letters</i> , 2013, 103, 021901.	3.3	9
244	Recent TEM developments applied to quantum structures. <i>MATEC Web of Conferences</i> , 2013, 5, 02001.	0.2	0
245	Analytical TEM Study of the Microstructure of LaNiO <sub>3</sub> /LaAlO <sub>3</sub> Superlattices. <i>Microscopy and Microanalysis</i> , 2013, 19, 1888-1889.	0.4	0
246	Linkage Between Microstructure and Chemical Composition of Iron-Rich Hard Dental Tissues from the Feral Coypu by Analytical TEM Investigations. <i>Microscopy and Microanalysis</i> , 2013, 19, 188-189.	0.4	0
247	Multipole Surface Plasmon Resonances in Conductively Coupled Metal Nanowire Dimers. <i>ACS Nano</i> , 2012, 6, 9711-9717.	14.6	39
248	The Growth of One-Dimensional CuPcF <sub>16</sub> Nanostructures on Gold Nanoparticles as Studied by Transmission Electron Microscopy Tomography. <i>ACS Nano</i> , 2012, 6, 4039-4044.	14.6	8
249	Bottom-Up Tailoring of Plasmonic Nanopeapods Making Use of the Periodical Topography of Carbon Nanocoil Templates. <i>Advanced Functional Materials</i> , 2012, 22, 5157-5165.	14.9	13
250	Cross-Sectional Characterization of Electrodeposited, Monocrystalline Au Nanowires in Parallel Arrangement. <i>Small</i> , 2012, 8, 3396-3399.	10.0	7
251	Toroidal Plasmonic Eigenmodes in Oligomer Nanocavities for the Visible. <i>Nano Letters</i> , 2012, 12, 5239-5244.	9.1	141
252	Breaking the Mode Degeneracy of Surface Plasmon Resonances in a Triangular System. <i>Langmuir</i> , 2012, 28, 8867-8873.	3.5	28

#	ARTICLE	IF	CITATIONS
253	Linking Microstructure and Nanochemistry in Human Dental Tissues. <i>Microscopy and Microanalysis</i> , 2012, 18, 509-523.	0.4	27
254	Experimental investigation of smectite interaction with metal iron at 80 ÅC: Structural characterization of newly formed Fe-rich phyllosilicates. <i>American Mineralogist</i> , 2012, 97, 864-871.	1.9	46
255	Dopant Segregation and Space Charge Effects in Proton-Conducting BaZrO <sub>3</sub> Perovskites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2453-2461.	3.1	106
256	Biom mineralization of Zinc-Phosphate-Based Nano Needles by Living Microalgae. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2012, 03, 362-370.	0.5	14
257	Ruddlesden-Popper faults in LaNiO <sub>3</sub> /LaAlO <sub>3</sub> superlattices. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	32
258	Au-Ag Hybrid Nanoparticle Patterns of Tunable Size and Density on Glass and Polymeric Supports. <i>Langmuir</i> , 2012, 28, 1562-1568.	3.5	45
259	Phase Boundary Propagation in Large LiFePO <sub>4</sub> Single Crystals on Delithiation. <i>Journal of the American Chemical Society</i> , 2012, 134, 2988-2992.	13.7	81
260	Charge-ordered spinel AlV <sub>2</sub> O <sub>4</sub> : High-energy-resolution EELS and computational studies. <i>Physical Review B</i> , 2012, 85, .	3.2	9
261	Hollow Carbon Nanospheres with a High Rate Capability for Lithium-Based Batteries. <i>ChemSusChem</i> , 2012, 5, 400-403.	6.8	215
262	Size control of PtPb intermetallic nanoparticles prepared via microemulsions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9134.	2.8	14
263	Structural Evolution of Magnesium Difluoride: from an Amorphous Deposit to a New Polymorph. <i>Inorganic Chemistry</i> , 2011, 50, 1563-1569.	4.0	20
264	Visualization of Multipolar Longitudinal and Transversal Surface Plasmon Modes in Nanowire Dimers. <i>ACS Nano</i> , 2011, 5, 9845-9853.	14.6	77
265	Resonant wedge-plasmon modes in single-crystalline gold nanoplatelets. <i>Physical Review B</i> , 2011, 83, .	3.2	81
266	Hybridized Metal Slit Eigenmodes as an Illustration of Babinet's Principle. <i>ACS Nano</i> , 2011, 5, 6701-6706.	14.6	54
267	Surface plasmon modes of a single silver nanorod: an electron energy loss study. <i>Optics Express</i> , 2011, 19, 15371.	3.4	126
268	EELS and EFTEM of Surface Plasmons in Metallic Nanostructures. <i>Microscopy and Microanalysis</i> , 2011, 17, 762-763.	0.4	1
269	Low-Dose Strain Mapping by Dark-Field Inline Electron Holography. <i>Microscopy and Microanalysis</i> , 2011, 17, 1228-1229.	0.4	0
270	Toward quantitative core-loss EFTEM tomography. <i>Ultramicroscopy</i> , 2011, 111, 1255-1261.	1.9	20



#	ARTICLE	IF	CITATIONS
271	Electric conduction properties of boron-doped ceria. Solid State Ionics, 2011, 192, 65-69.	2.7	21
272	Comparison of Different Oxidation Methods for Recalcitrance Removal of Landfill Leachate. Ozone: Science and Engineering, 2011, 33, 294-300.	2.5	23
273	Polarity-driven nickel oxide precipitation in LaNiO <sub>3</sub> -LaAlO <sub>3</sub> superlattices. Applied Physics Letters, 2011, 99, 211903.	3.3	32
274	Characterization of Dentine, Dentinal Tubules and Dentine-Enamel Junction in Human Teeth by Advanced Analytical TEM. Microscopy and Microanalysis, 2011, 17, 286-287.	0.4	2
275	The Stuttgart Center for Electron Microscopy at the Max Planck Institute for Metals Research. International Journal of Materials Research, 2011, 102, 815-827.	0.3	0
276	Low-loss EFTEM Imaging of Surface Plasmon Resonances in Ag Nanostructures. Microscopy and Microanalysis, 2010, 16, 1438-1439.	0.4	1
277	Strain Mapping of 45 nm MOSFET by Dark-Field Inline Electron Holography. Microscopy and Microanalysis, 2010, 16, 592-593.	0.4	0
278	ELNES Investigations of Interfaces in Abalone Shell. Microscopy and Microanalysis, 2010, 16, 1218-1219.	0.4	1
279	Characterization of ytterbium silicide formed in ultra high vacuum. Journal of Physics: Conference Series, 2010, 209, 012056.	0.4	0
280	An efficient, simple, and precise way to map strain with nanometer resolution in semiconductor devices. Applied Physics Letters, 2010, 96, .	3.3	69
281	Low-Temperature Growth of Silicon Nanotubes and Nanowires on Amorphous Substrates. ACS Nano, 2010, 4, 1805-1812.	14.6	31
282	EFTEM study of surface plasmon resonances in silver nanoholes. Ultramicroscopy, 2010, 110, 1094-1100.	1.9	16
283	Preparation and characterization of size-controlled CeO <sub>2</sub> nanoparticles coated with SiO <sub>2</sub> . Journal of Nanoparticle Research, 2010, 12, 2045-2049.	1.9	14
284	A Carbon/Titanium Vanadium Nitride Composite for Lithium Storage. ChemPhysChem, 2010, 11, 3219-3223.	2.1	49
285	Reversible Storage of Lithium in Silver-Coated Three-Dimensional Macroporous Silicon. Advanced Materials, 2010, 22, 2247-2250.	21.0	558
286	Low-Temperature Ionic-Liquid-Based Synthesis of Nanostructured Iron-Based Fluoride Cathodes for Lithium Batteries. Advanced Materials, 2010, 22, 3650-3654.	21.0	209
287	A novel germanium/carbon nanotubes nanocomposite for lithium storage material. Electrochimica Acta, 2010, 55, 985-988.	5.2	77
288	Thickness dependent microstructural changes in La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> thin films deposited on (111) SrTiO <sub>3</sub> . Thin Solid Films, 2010, 518, 4667-4669.	1.8	2

#	ARTICLE	IF	CITATIONS
289	Characterization of chemical composition and electronic structure of Pt/YSZ interfaces by analytical transmission electron microscopy. <i>Solid State Ionics</i> , 2010, 181, 1616-1622.	2.7	10
290	Transmission electron microscopy characterization of Au/Pt/Ti/Pt/GaAs ohmic contacts for high power GaAs/InGaAs semiconductor lasers. <i>Journal of Microscopy</i> , 2010, 237, 347-351.	1.8	3
291	Transmission electron microscopy study of erbium silicide formation from Ti/Er stack for Schottky contact applications. <i>Journal of Microscopy</i> , 2010, 237, 379-383.	1.8	5
292	Correlating the structural, chemical, and optical properties at nanometer resolution. <i>Journal of Applied Physics</i> , 2010, 107, 013501.	2.5	9
293	Direct bandgap measurements in a three-dimensionally macroporous silicon 9R polytype using monochromated transmission electron microscope. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	11
294	A nondamaging electron microscopy approach to map In distribution in InGaN light-emitting diodes. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	27
295	3D Elemental Mapping in Nanomaterials by Core-Loss EFTEM Tomography. <i>Microscopy and Microanalysis</i> , 2010, 16, 1842-1843.	0.4	2
296	Determining the Morphology of Polystyrene- <i>block</i> -poly(2-vinylpyridine) Micellar Reactors for ZnO Nanoparticle Synthesis. <i>Langmuir</i> , 2010, 26, 7431-7436.	3.5	11
297	Expanding Micelle Nanolithography to the Self-Assembly of Multicomponent Core-Shell Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 10671-10673.	13.7	14
298	Microemulsions as Reaction Media for the Synthesis of Bimetallic Nanoparticles: Size and Composition of Particles. <i>Chemistry of Materials</i> , 2010, 22, 6263-6271.	6.7	30
299	Synthesis and characterization of N-rich single crystalline SiO <sub>x</sub> N <sub>y</sub> nanowires with three-dimensional branches. <i>Applied Physics Letters</i> , 2009, 94, 231903.	3.3	6
300	Delithiation Study of LiFePO <sub>4</sub> Crystals Using Electron Energy-Loss Spectroscopy. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, A151.	2.2	49
301	Toughening through Nature-Adapted Nanoscale Design. <i>Nano Letters</i> , 2009, 9, 4103-4108.	9.1	66
302	Encapsulation of Sn@carbon Nanoparticles in Bamboo-like Hollow Carbon Nanofibers as an Anode Material in Lithium-Based Batteries. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6485-6489.	13.8	551
303	Grain-boundary types in chalcopyrite-type thin films and their correlations with film texture and electrical properties. <i>Thin Solid Films</i> , 2009, 517, 2545-2549.	1.8	49
304	Titanium-silicon oxide film structures for polarization-modulated infrared reflection absorption spectroscopy. <i>Thin Solid Films</i> , 2009, 517, 2048-2054.	1.8	5
305	Mapping of valence energy losses via energy-filtered annular dark-field scanning transmission electron microscopy. <i>Ultramicroscopy</i> , 2009, 109, 1164-1170.	1.9	28
306	Nano-crystallization in LaF <sub>3</sub> -Na <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glass. <i>Journal of Crystal Growth</i> , 2009, 311, 4350-4355.	1.5	48

#	ARTICLE	IF	CITATIONS
307	Carbon incorporation and deactivation of MgO(0 0 1) supported Pd nanoparticles during CO oxidation. <i>Catalysis Today</i> , 2009, 145, 243-250.	4.4	18
308	The Importance of Grain Boundaries for the Time-Dependent Mobility Degradation in Organic Thin-Film Transistors. <i>Chemistry of Materials</i> , 2009, 21, 4949-4954.	6.7	47
309	Various transmission electron microscopic techniques to characterize phase separation – illustrated using a LaF3 containing aluminosilicate glass. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 393-396.	3.1	19
310	Direct imaging of surface plasmon resonances on single triangular silver nanoprisms at optical wavelength using low-loss EFTEM imaging. <i>Optics Letters</i> , 2009, 34, 1003.	3.3	77
311	Electron energy losses in Ag nanoholes – from localized surface plasmon resonances to rings of fire. <i>Optics Letters</i> , 2009, 34, 2150.	3.3	44
312	Magnetization study of nanograined pure and Mn-doped ZnO films: Formation of a ferromagnetic grain-boundary foam. <i>Physical Review B</i> , 2009, 79, .	3.2	343
313	Annealing effect on ion conduction of nanosized CaF2/BaF2 multilayers. <i>Journal of Applied Physics</i> , 2009, 105, 114321.	2.5	5
314	One-Dimensional Phthalocyanine Nanostructures Directed by Gold Templates. <i>Chemistry of Materials</i> , 2009, 21, 5010-5015.	6.7	15
315	Phase separation in GaN/AlGaIn quantum dots. <i>Applied Physics Letters</i> , 2009, 95, 141901.	3.3	14
316	DNA-templated synthesis of ZnO thin layers and nanowires. <i>Nanotechnology</i> , 2009, 20, 365302.	2.6	30
317	Tin Nanoparticles Encapsulated in Porous Multichannel Carbon Microtubes: Preparation by Single-Nozzle Electrospinning and Application as Anode Material for High-Performance Li-Based Batteries. <i>Journal of the American Chemical Society</i> , 2009, 131, 15984-15985.	13.7	404
318	Nanostructure Characterization of Conical Silicon Carbide Nanowires and Heterostructures Induced by Release Catalysis. <i>Microscopy and Microanalysis</i> , 2009, 15, 1546-1547.	0.4	1
319	Transmission electron microscopy study of the platinum germanide formation process in the Ge/Pt/Ge/SiO2/Si structure. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 154-155, 175-178.	3.5	2
320	The modification of MoO3 nanoparticles supported on mesoporous SBA-15: characterization using X-ray scattering, N2 physisorption, transmission electron microscopy, high-angle annular darkfield technique, Raman and XAFS spectroscopy. <i>Journal of Materials Science</i> , 2008, 43, 244-253.	3.7	38
321	Self-Assembly of Phthalocyanine Nanotubes by Vapor-Phase Transport. <i>ChemPhysChem</i> , 2008, 9, 1114-1116.	2.1	11
322	Aqueous Deposition of Ultraviolet Luminescent Columnar Tin-Doped Indium Hydroxide Films. <i>Advanced Functional Materials</i> , 2008, 18, 2572-2583.	14.9	9
323	A Germanium-Carbon Nanocomposite Material for Lithium Batteries. <i>Advanced Materials</i> , 2008, 20, 3079-3083.	21.0	271
324	Grain-boundary plane orientation dependence of electrical barriers at $\{111\}$ boundaries in SrTiO3. <i>Acta Materialia</i> , 2008, 56, 4993-4997.	7.9	10

#	ARTICLE	IF	CITATIONS
325	Chemical bonds in damaged and pristine low- $\hat{p}$ materials: A comparative EELS study. <i>Microelectronic Engineering</i> , 2008, 85, 2169-2171.	2.4	1
326	Yttrium Aluminum Garnet as a Scavenger for Ca and Si. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3663-3667.	3.8	7
327	Crystalline silicon carbide nanocones and heterostructures induced by released iron nanoparticles. <i>Applied Physics Letters</i> , 2008, 93, 233113.	3.3	16
328	Transmission electron microscopy study of the intermixing of Fe/Pt multilayers. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	17
329	Chemical Modification of Single-Walled Carbon Nanotubes for the Reinforcement of Precursor-Derived Ceramics. <i>Chemistry of Materials</i> , 2008, 20, 5593-5599.	6.7	35
330	Experimental realization of graded L1-FePt/Fe composite media with perpendicular magnetization. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	74
331	Application of Monochromated Electrons in EELS. <i>Microscopy and Microanalysis</i> , 2008, 14, 134-135.	0.4	2
332	Novel binary and ternary phases in the Si-C-N system. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 674-680.	1.1	12
333	Effect of surface orientation on intrinsic island formation on SrTiO <sub>3</sub> surfaces. <i>Journal of Physics: Conference Series</i> , 2008, 94, 012013.	0.4	2
334	VEELS band gap measurements using monochromated electrons. <i>Journal of Physics: Conference Series</i> , 2008, 126, 012005.	0.4	4
335	Software Precession Electron Diffraction. , 2008, , 201-202.		2
336	Low-loss-energy EFTEM imaging of triangular silver nanoparticles. , 2008, , 243-244.		1
337	Studying nanocrystallization behaviour of different inorganic glasses using Transmission Electron Microscopy. , 2008, , 523-524.		0
338	Determination of precise orientation relationships between surface precipitates and matrix in a duplex stainless steel. , 2008, , 659-660.		0
339	Amorphisation in fersite compounds – a combined ELNES and XANES study. , 2008, , 821-822.		0
340	Study of the intermixing of Fe-Pt multilayers by analytical and high-resolution transmission electron microscopy. , 2008, , 109-110.		0
341	Band gap mapping using monochromated electrons. , 2008, , 381-382.		0
342	Quantitative local strain analysis of Si/SiGe heterostructures using HRTEM. , 2008, , 141-142.		0

#	ARTICLE	IF	CITATIONS
343	Direct observation of surface oxidation of Rh nanoparticles on (001) MgO. , 2008, , 225-226.		0
344	Nonlinear Electron Inline Holography. , 2008, , 263-264.		0
345	Preparation of SiC/SiC thin foils for TEM observations by wedge polishing method. , 2008, , 817-818.		0
346	Manifestation of incommensurate structural modulations in the Ti-L <sub>2,3</sub> electron energy-loss near-edge structure of Sr <sub>2</sub> TiSi <sub>2</sub> O <sub>8</sub> . Philosophical Magazine Letters, 2007, 87, 431-439.	1.2	7
347	Silicon Carbide Nanowire Heterostructures Constructed from Released Iron Catalysis. Materials Research Society Symposia Proceedings, 2007, 1058, 1.	0.1	0
348	Interfaces in semiconductor/metal radial superlattices. Applied Physics Letters, 2007, 90, 263107.	3.3	29
349	Low-loss EELS with Monochromated Electrons. Microscopy and Microanalysis, 2007, 13, 54-55.	0.4	0
350	Mapping Grain Boundary Potentials by Inline Electron Holography. Microscopy and Microanalysis, 2007, 13, 334-335.	0.4	2
351	Band-gap measurements of direct and indirect semiconductors using monochromated electrons. Physical Review B, 2007, 75, .	3.2	103
352	High-Pressure Synthesis of Crystalline Carbon Nitride Imide, C <sub>2</sub> N <sub>2</sub> (NH). Angewandte Chemie - International Edition, 2007, 46, 1476-1480.	13.8	82
353	The origin of high-mismatch orientation relationships for ultra-thin oxide overgrowths. Acta Materialia, 2007, 55, 6027-6037.	7.9	42
354	Internal strain formed in oxide ceramics upon spark-plasma sintering. Philosophical Magazine, 2007, 87, 4555-4566.	1.6	3
355	Electron Magnetic Linear Dichroism (EMLD) and Electron Magnetic Circular Dichroism (EMCD) in Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2007, 13, 426-427.	0.4	7
356	Experimental Assessment of Structural Differences between Amorphous and Amorphized Matter. Chemistry of Materials, 2006, 18, 5351-5354.	6.7	7
357	Crystal chemistry of wadsleyite II and water in the Earth's interior. Physics and Chemistry of Minerals, 2005, 31, 691-705.	0.8	27
358	Coordination of transition-metals in glasses from high-resolution electron energy-loss spectroscopy. Physica Status Solidi A, 2005, 202, 2355-2360.	1.7	13
359	Crystal structure and cation distribution in Fe <sub>7</sub> SiO <sub>10</sub> ("Iscoreite"). European Journal of Mineralogy, 2005, 17, 723-731.	1.3	5
360	Assessment of transition-metal coordination in glasses by electron energy-loss spectroscopy. Physical Review B, 2005, 72, .	3.2	21

#	ARTICLE	IF	CITATIONS
361	1s <sub>2p</sub> Resonant Inelastic X-ray Scattering of Iron Oxides. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20751-20762.	2.6	108
362	Electron energy-loss spectroscopy at incommensurately modulated crystalline and glassy Ba <sub>2</sub> TiGe <sub>2</sub> O <sub>8</sub> . <i>Philosophical Magazine</i> , 2004, 84, 3117-3132.	1.6	14
363	Insights into oxygen-cation bonding in fersite-type structures from O K- and Ti L <sub>23</sub> -electron energy-loss spectra and ab initio calculations of the electronic structure. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 543-552.	0.8	20
364	Iron oxidation state in lower mantle mineral assemblages. <i>Earth and Planetary Science Letters</i> , 2004, 222, 435-449.	4.4	59
365	Oxidation state of iron in hydrous mantle phases: implications for subduction and mantle oxygen fugacity. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 143-144, 157-169.	1.9	85
366	Magnetic Linear Dichroism in Electron Energy-Loss Spectra of alpha-Fe <sub>2</sub> O <sub>3</sub> . <i>Microscopy and Microanalysis</i> , 2004, 10, 88-89.	0.4	0
367	Strong magnetic linear dichroism in Fe L <sub>23</sub> and O K electron energy-loss near-edge spectra of antiferromagnetic hematite $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> . <i>Physics and Chemistry of Minerals</i> , 2003, 30, 469-477.	0.8	34
368	An interface clusters mixture model for the structure of amorphous silicon monoxide (SiO). <i>Journal of Non-Crystalline Solids</i> , 2003, 320, 255-280.	3.1	231
369	Synthesis and characterization of mixed-valence barium titanates. <i>Philosophical Magazine</i> , 2003, 83, 165-178.	1.6	17
370	Characterization of Iron Valence State and Magnetic Linear Dichroism in Minerals by Electron Energy-Loss Spectroscopy. <i>Microscopy and Microanalysis</i> , 2003, 9, 320-321.	0.4	3
371	The heterogeneous composition of working place aerosols in a nickel refinery: a transmission and scanning electron microscope study Presented at ENVIRONMIN 2001 at Skukuza, Kruger National Park, South Africa, 14-18 July 2001. Electronic supplementary information (ESI) available: TEM bright field images, energy-dispersive X-ray spectra and electron diffraction patterns of various phases observed in the refinery at Monchegorsk: (a) godlevskite, (b) heazlewoodite, (c) bunsenite, (d) trevorite, (e) amorphous sulf. <i>Journal of Environmental Monitoring</i> , 2002, 4, 344-350.	2.1	29
372	Quantification of ferrous/ferric ratios in minerals: new evaluation schemes of Fe L <sub>23</sub> electron energy-loss near-edge spectra. <i>Physics and Chemistry of Minerals</i> , 2002, 29, 188-200.	0.8	303
373	Oxygen Vacancies in Perovskite and Related Structures: Implications for the Lower Mantle. <i>Materials Research Society Symposia Proceedings</i> , 2002, 718, 1.	0.1	1
374	In honour of the 60th birthday of Wolfgang Friedrich Müller. <i>European Journal of Mineralogy</i> , 2001, 13, 219-220.	1.3	0
375	Fe-Mg partitioning between ringwoodite and magnesiowüstite and the effect of pressure, temperature and oxygen fugacity. <i>Physics and Chemistry of Minerals</i> , 2001, 28, 455-470.	0.8	59
376	Nanocrystalline, porous periclase aggregates as product of brucite dehydration. <i>European Journal of Mineralogy</i> , 2001, 13, 329-341.	1.3	28
377	Mössbauer and ELNES spectroscopy of (Mg,Fe)(Si,Al)O <sub>3</sub> perovskite: a highly oxidised component of the lower mantle. <i>Contributions To Mineralogy and Petrology</i> , 2000, 138, 17-26.	3.1	143
378	Synthetic tourmaline (olenite) with excess boron replacing silicon in the tetrahedral site: I. Synthesis conditions, chemical and spectroscopic evidence. <i>European Journal of Mineralogy</i> , 2000, 12, 529-541.	1.3	53

#	ARTICLE	IF	CITATIONS
379	ELNES spectroscopy and XANES calculations of the O K edge: Orientation dependence and effects of protons in Mg(OH) <sub>2</sub> . <i>Physical Review B</i> , 1999, 60, 3815-3820.	3.2	20
380	Microanalysis of Fe <sup>3+</sup> / Fe <sup>2+</sup> in oxide and silicate minerals by investigation of electron energy-loss near-edge structures (ELNES) at the Fe M <sub>2,3</sub> edge. <i>Physics and Chemistry of Minerals</i> , 1999, 26, 584-590.	0.8	43
381	Electron-beam induced amorphization of stishovite: Silicon-coordination change observed using Si K-edge extended electron energy-loss fine structure. <i>Physics and Chemistry of Minerals</i> , 1998, 25, 83-93.	0.8	21
382	Quantitative determination of iron oxidation states in minerals using Fe L <sub>2,3</sub> -edge electron energy-loss near-edge structure spectroscopy. <i>Physics and Chemistry of Minerals</i> , 1998, 25, 323-327.	0.8	279
383	Core level electron energy-loss spectra of minerals: pre-edge fine structures at the oxygen K-edge. <i>Physics and Chemistry of Minerals</i> , 1998, 25, 494-498.	0.8	58
384	Extended energy-loss fine structure spectroscopy of structural modifications in Nd <sub>2</sub> CuO <sub>4</sub> at the oxygen K edge. <i>Journal of Microscopy</i> , 1996, 183, 9-17.	1.8	1
385	Perovskite-like intergrowth structure of the reduced cuprate Nd <sub>2</sub> CuO <sub>3.5</sub> : a combination of defect and excess oxygen non-stoichiometry phenomena. <i>Journal of Materials Chemistry</i> , 1994, 4, 895-898.	6.7	12
386	Strong reduction of the electron-doped superconductor Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1993, 211, 421-432.	1.2	10
387	Superstructure formation in the electron-doped superconducting system Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1991, 174, 63-70.	1.2	16
388	EELS of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> in the TEM. A High Spatial Resolution Method for Analysing the Electronic Structure of High-Tc YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Thin Films. <i>Physica Status Solidi A</i> , 1991, 128, 129-137.	1.7	8
389	Cu core-level spectroscopy of Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , 1991, 44, 2320-2325.	3.2	14
390	Soft x-ray absorption study of R <sub>2</sub> CuO <sub>4-x</sub> . <i>Physica B: Condensed Matter</i> , 1990, 165-166, 1265-1266.	2.7	1
391	Pair breaking effects in heavy fermion superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 449-450.	1.2	6
392	Pair breaking in the heavy-fermion superconductors Ce <sub>1-x</sub> M <sub>x</sub> Cu <sub>2.2</sub> Si <sub>2</sub> and U <sub>1-x</sub> M <sub>x</sub> Be <sub>13</sub> (M: Th, La, Y and Tj). <i>ETQg 0 0 0 rg BT / Overlo</i>	2.8	14
393	Evidence for antiferromagnetism in Ce <sub>1-x</sub> La <sub>x</sub> Cu <sub>2.2</sub> Si <sub>2</sub> below 10 K. <i>Journal of Magnetism and Magnetic Materials</i> , 1988, 76-77, 523-524.	2.3	6
394	Possibly Mixed Valency of Uranium in UNi <sub>5-x</sub> Cu <sub>x</sub> . <i>Physical Review Letters</i> , 1975, 34, 1457-1460.	7.8	91
395	Kondo sideband effects in the Seebeck coefficient of Ce <sub>1-x</sub> La <sub>x</sub> Al <sub>x</sub> compounds. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1974, 49, 201-203.	2.1	36
396	The seebeck coefficient of YbAl <sub>2</sub> and YbAl <sub>3</sub> . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1974, 49, 246-248.	2.1	75

#	ARTICLE	IF	CITATIONS
397	Kondo Sidebands in CeAl <sub>3</sub> and Related Pseudobinary Compounds. Physical Review B, 1971, 3, 1662-1670.	3.2	64
398	Time-frequency vector quantization with application to isolated word recognition. , 0, , .		1
399	New Ceramic Phases in the Ternary Si-C-N System. Key Engineering Materials, 0, 403, 147-148.	0.4	1
400	Tunable Magnetic Anisotropy in Patterned SrRuO <sub>3</sub> Quantum Structures: Competition between Lattice Anisotropy and Oxygen Octahedral Rotation. Advanced Functional Materials, 0, , 2108475.	14.9	12