

Peter A Van Aken

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

402
papers

16,116
citations

64
h-index

119
g-index

424
ext. papers

17,571
ext. citations

6.5
avg, IF

6.84
L-index

#	Paper	IF	Citations
402	Engineering ordered arrangements of oxygen vacancies at the surface of superconducting La ₂ CuO ₄ thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022 , 40, 013214	2.9	1
401	Ruddlesden-Popper Faults in NdNiO ₃ Thin Films. <i>Symmetry</i> , 2022 , 14, 464	2.7	0
400	Towards Recycling of LLZO Solid Electrolyte Exemplarily Performed on LFP/LLZO/LTO Cells.. <i>ChemistryOpen</i> , 2022 , e202100274	2.3	1
399	Emergent multiferroism with magnetodielectric coupling in EuTiO created by a negative pressure control of strong spin-phonon coupling.. <i>Nature Communications</i> , 2022 , 13, 2364	17.4	3
398	Topotactic transformation of single crystals: From perovskite to infinite-layer nickelates. <i>Science Advances</i> , 2021 , 7, eabl8091	14.3	9
397	Determination of Grain-Boundary Structure and Electrostatic Characteristics in a SrTiO Bicrystal by Four-Dimensional Electron Microscopy. <i>Nano Letters</i> , 2021 , 21, 9138-9145	11.5	0
396	Metal-Organic Framework-Derived Nanoconfinements of CoF and Mixed-Conducting Wiring for High-Performance Metal Fluoride-Lithium Battery. <i>ACS Nano</i> , 2021 , 15, 1509-1518	16.7	22
395	Control of the metal-insulator transition in NdNiO ₃ thin films through the interplay between structural and electronic properties. <i>Physical Review Materials</i> , 2021 , 5,	3.2	1
394	Optoelectronic Inactivity of Dislocations in Cu(In,Ga)Se ₂ Thin Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021 , 15, 2100042	2.5	1
393	Oxygen-evolving catalytic atoms on metal carbides. <i>Nature Materials</i> , 2021 , 20, 1240-1247	27	58
392	Optical conductivity and superconductivity in highly overdoped La Ca CuO thin films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
391	Interplay between structural and electronic properties with the metal-insulator transition in NdNiO ₃ thin films. <i>Microscopy and Microanalysis</i> , 2021 , 27, 144-145	0.5	
390	An optimized TEM specimen preparation method of quantum nanostructures. <i>Micron</i> , 2021 , 140, 102979	2.3	6
389	2D Doping of Proton Conductors: BaZrO ₃ -Based Heterostructures. <i>Advanced Energy Materials</i> , 2021 , 11, 2003267	21.8	4
388	Interaction of edge exciton polaritons with engineered defects in the hyperbolic material Bi ₂ Se ₃ . <i>Communications Materials</i> , 2021 , 2,	6	7
387	How sharp are atomically sharp high-Tc La ₂ CuO ₄ interfaces?. <i>Microscopy and Microanalysis</i> , 2021 , 27, 700-701	0.5	
386	Facile Preparation of MoS Nanocomposites for Efficient Potassium-Ion Batteries by Grinding-Promoted Intercalation Exfoliation. <i>Small</i> , 2021 , 17, e2102263	11	10

385	Improved uniformity and threshold voltage in NbOx-ZrO2 selectors. <i>Applied Physics Letters</i> , 2021 , 119, 073503	3.4	0
384	Grain boundary blocking effects in Sm/Yb-doped AlN ceramics. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 4870-4875	6	3
383	Orbital engineering in YVO3∥aAlO3 superlattices. <i>Physical Review B</i> , 2021 , 104,	3.3	1
382	Ion transport in nanocrystalline CaF2 films. <i>Journal of Applied Physics</i> , 2021 , 130, 105301	2.5	
381	Atomic-Scale Tuning of the Charge Distribution by Strain Engineering in Oxide Heterostructures. <i>ACS Nano</i> , 2021 , 15, 16228-16235	16.7	1
380	Negatively Charged In-Plane and Out-Of-Plane Domain Walls with Oxygen-Vacancy Agglomerations in a Ca-Doped Bismuth-Ferrite Thin Film. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 4498-4508	4	1
379	Coexisting commensurate and incommensurate charge ordered phases in CoO. <i>Scientific Reports</i> , 2021 , 11, 19415	4.9	
378	The Mechanical Consequences of the Interplay of Mineral Distribution and Organic Matrix Orientation in the Claws of the Sea Slater <i>Ligia pallasii</i> . <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1373	2.4	1
377	Atomic-scale Identification of High-temperature Superconductivity at La2CuO4 Interfaces. <i>Microscopy and Microanalysis</i> , 2020 , 26, 738-739	0.5	
376	Atomic-scale Considerations on LaNiO3-La2CuO4 Heterostructures: Interface∅thermoelectricity Relationship. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2626-2627	0.5	
375	Analysis of Mineralized Matrices in Calcium Bodies with and Without Bacteria in Two Species of Terrestrial Crustaceans. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2746-2747	0.5	
374	Secondary-Phase-Assisted Grain Boundary Migration in CuInSe_{2}. <i>Physical Review Letters</i> , 2020 , 124, 095702	7.4	2
373	Tuning the resistive switching in tantalum oxide-based memristors by annealing. <i>AIP Advances</i> , 2020 , 10, 065112	1.5	2
372	Multiwavelength-Steerable Visible-Light-Driven Magnetic CoO-TiO Microswimmers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24149-24155	9.5	20
371	Toroidal Moments Probed by Electron Beams. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012174	0.3	1
370	Inhomogeneous ferromagnetism mimics signatures of the topological Hall effect in SrRuO3 films. <i>Physical Review Materials</i> , 2020 , 4,	3.2	11
369	Probing plasmonic excitation mechanisms and far-field radiation of single-crystalline gold tapers with electrons. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190599	3	1
368	A comparative study on GaSb epilayers grown on nominal and vicinal Si(100) substrates by molecular beam epitaxy. <i>Semiconductor Science and Technology</i> , 2020 , 36, 025011	1.8	2

367	Metal-organic framework-derived high conductivity Fe ₃ C with porous carbon on graphene as advanced anode materials for aqueous battery-supercapacitor hybrid devices. <i>Journal of Power Sources</i> , 2020 , 448, 227403	8.9	40
366	Direct Observation of Huge Flexoelectric Polarization around Crack Tips. <i>Nano Letters</i> , 2020 , 20, 88-94	11.5	14
365	Hollow Mesoporous Carbon Spheres for High Performance Symmetrical and Aqueous Zinc-Ion Hybrid Supercapacitor. <i>Frontiers in Chemistry</i> , 2020 , 8, 663	5	14
364	High-resolution Analytical STEM of Defects and Interfaces in Beam-sensitive Ultra-thin Cuprate Films. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2972-2973	0.5	
363	Probing Charge Accumulation at SrMnO/SrTiO Heterointerfaces via Advanced Electron Microscopy and Spectroscopy. <i>ACS Nano</i> , 2020 , 14, 12697-12707	16.7	4
362	Strain-induced structural transition in DyBa ₂ Cu ₃ O _{7-x} films grown by atomic layer-by-layer molecular beam epitaxy. <i>Applied Physics Letters</i> , 2020 , 117, 072601	3.4	3
361	Design of Complex Oxide Interfaces by Oxide Molecular Beam Epitaxy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 107-120	1.5	16
360	Substrate-Selective Morphology of Cesium Iodide Clusters on Graphene. <i>ACS Nano</i> , 2020 , 14, 4626-4635	16.7	9
359	3D Honeycomb Architecture Enables a High-Rate and Long-Life Iron (III) Fluoride-Lithium Battery. <i>Advanced Materials</i> , 2019 , 31, e1905146	24	43
358	Combined imaging and analytical STEM of ultra-thin cuprate films. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1750-1751	0.5	2
357	Far-Field Radiation of Three-Dimensional Plasmonic Gold Tapers near Apexes. <i>ACS Photonics</i> , 2019 , 6, 2509-2516	6.3	4
356	Prospect for detecting magnetism of a single impurity atom using electron magnetic chiral dichroism. <i>Physical Review B</i> , 2019 , 100,	3.3	4
355	Radiation of Dynamic Toroidal Moments. <i>ACS Photonics</i> , 2019 , 6, 467-474	6.3	17
354	Advances in ozonation and biodegradation processes to enhance chlorophenol abatement in multisubstrate wastewaters: a review. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 444-481	4.2	29
353	High-temperature-grown buffer layer boosts electron mobility in epitaxial La-doped BaSnO ₃ /SrZrO ₃ heterostructures. <i>APL Materials</i> , 2019 , 7, 041119	5.7	10
352	Boosting Sodium Storage in TiF ₃ /Carbon Core/Sheath Nanofibers through an Efficient Mixed-Conducting Network. <i>Advanced Energy Materials</i> , 2019 , 9, 1901470	21.8	13
351	Natural Vermiculite Enables High-Performance in Lithium-Sulfur Batteries via Electrical Double Layer Effects. <i>Advanced Functional Materials</i> , 2019 , 29, 1902820	15.6	27
350	Silver nanowires with optimized silica coating as versatile plasmonic resonators. <i>Scientific Reports</i> , 2019 , 9, 3859	4.9	16

349	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium-Storage Performance. <i>Angewandte Chemie</i> , 2019 , 131, 7316-7321	3.6	8
348	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium-Storage Performance. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7238-7243	16.4	57
347	Merging transformation optics with electron-driven photon sources. <i>Nature Communications</i> , 2019 , 10, 599	17.4	18
346	Improved sample preparation of beam-sensitive ultra-thin cuprate films. <i>Microscopy and Microanalysis</i> , 2019 , 25, 686-687	0.5	2
345	Orientation of Organic Fibers and the Presence of Amorphous Calcium Phosphate in Elongated Crustacean Skeletal Elements. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1106-1107	0.5	
344	Metal Fluoride-Lithium Batteries: 3D Honeycomb Architecture Enables a High-Rate and Long-Life Iron (III) Fluoride-Lithium Battery (Adv. Mater. 43/2019). <i>Advanced Materials</i> , 2019 , 31, 1970304	24	1
343	Spin-entropy induced thermopower and spin-blockade effect in CoO. <i>Physical Review B</i> , 2019 , 100,	3.3	4
342	TEM Sample Preparation of Patterned Quantum Dots. <i>Microscopy and Microanalysis</i> , 2019 , 25, 790-791	0.5	
341	Initial nucleation of amorphous SiBCN ceramics derived from polymer-precursors. <i>Journal of Materials Science and Technology</i> , 2019 , 35, 2851-2858	9.1	
340	Tunable perpendicular exchange bias in oxide heterostructures. <i>Physical Review Materials</i> , 2019 , 3,	3.2	10
339	Electronic and vibrational signatures of ruthenium vacancies in Sr ₂ RuO ₄ thin films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	6
338	TEM and HAADF STEM Imaging of Dislocation Loops in Irradiated GaAs. <i>Acta Physica Polonica A</i> , 2019 , 136, 245-249	0.6	2
337	Magnetic Properties of Epitaxially Grown SrRuO Nanodots. <i>Nano Letters</i> , 2019 , 19, 1131-1135	11.5	7
336	Imaging the atomic structure and local chemistry of platelets in natural type Ia diamond. <i>Nature Materials</i> , 2018 , 17, 243-248	27	12
335	Electron microscopy of polyoxometalate ions on graphene by electrospray ion beam deposition. <i>Nanoscale</i> , 2018 , 10, 4952-4961	7.7	16
334	Structure and chemistry of interfaces between ceria and yttria-stabilized zirconia studied by analytical STEM. <i>Ultramicroscopy</i> , 2018 , 188, 90-100	3.1	3
333	Long-Range Coupling of Toroidal Moments for the Visible. <i>ACS Photonics</i> , 2018 , 5, 1326-1333	6.3	10
332	A Sulfur-Limonene-Based Electrode for Lithium-Sulfur Batteries: High-Performance by Self-Protection. <i>Advanced Materials</i> , 2018 , 30, e1706643	24	85

331	Fuel-Free Nanocap-Like Motors Actuated Under Visible Light. <i>Advanced Functional Materials</i> , 2018 , 28, 1705862	15.6	40
330	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	8.9	25
329	Tailoring the electronic properties of Ca ₂ RuO ₄ via epitaxial strain. <i>Applied Physics Letters</i> , 2018 , 112, 031902	3.4	16
328	High-temperature superconductivity at the lanthanum cuprate/lanthanum-strontium nickelate interface. <i>Nanoscale</i> , 2018 , 10, 8712-8720	7.7	11
327	Towards atomically resolved EELS elemental and fine structure mapping via multi-frame and energy-offset correction spectroscopy. <i>Ultramicroscopy</i> , 2018 , 184, 98-105	3.1	13
326	Theory and applications of toroidal moments in electrodynamics: their emergence, characteristics, and technological relevance. <i>Nanophotonics</i> , 2018 , 7, 93-110	6.3	64
325	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	19.4	36
324	EDGE 2017 - Enhanced Data Generated by Electrons, Okinawa, May 2017. <i>Microscopy (Oxford, England)</i> , 2018 , 67, i1-i2	1.3	1
323	High-Temperature Thermoelectricity in LaNiO-LaCuO Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22786-22792	9.5	9
322	Complex magnetic order in nickelate slabs. <i>Nature Physics</i> , 2018 , 14, 1097-1102	16.2	23
321	Cross-Linking Hollow Carbon Sheet Encapsulated CuP Nanocomposites for High Energy Density Sodium-Ion Batteries. <i>ACS Nano</i> , 2018 , 12, 7018-7027	16.7	86
320	Elucidating the Mechanism of an RbF Post Deposition Treatment in CIGS Thin Film Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1800156	7.1	51
319	Exfoliation of a non-van der Waals material from iron ore hematite. <i>Nature Nanotechnology</i> , 2018 , 13, 602-609	28.7	179
318	Probing Jahn-Teller Distortions at Superconducting La ₂ CuO ₄ Interfaces. <i>Microscopy and Microanalysis</i> , 2018 , 24, 78-79	0.5	1
317	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	0.5	7
316	Analytical STEM of Amorphous and Crystalline Mineral Phases in Calcium Bodies of Terrestrial Crustaceans. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1344-1345	0.5	
315	Structural optimization and amorphous calcium phosphate mineralization in sensory setae of a terrestrial crustacean (Isopoda: Oniscidea). <i>Micron</i> , 2018 , 112, 26-34	2.3	5
314	Digital modulation of the nickel valence state in a cuprate-nickelate heterostructure. <i>Physical Review Materials</i> , 2018 , 2,	3.2	17

313	Strain-induced indium clustering in non-polar a-plane InGaN quantum wells. <i>Acta Materialia</i> , 2018 , 145, 109-122	8.4	5
312	Compositional and engineering adaptations in dentine explored by analytical STEM. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1274-1275	0.5	1
311	Direct Visualization and Image Simulations of Oxygen Sublattice Occupancy in Thin Cuprate Films. <i>Microscopy and Microanalysis</i> , 2018 , 24, 76-77	0.5	2
310	Bio-templated Multilayered Organic-Inorganic Composites Investigated by Analytical STEM. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1326-1327	0.5	
309	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	0.5	1
308	Ultrathin Ti Nb O Nanosheets with Pseudocapacitive Properties as Superior Anode for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2018 , 30, e1804378	24	81
307	Correcting the linear and nonlinear distortions for atomically resolved STEM spectrum and diffraction imaging. <i>Microscopy (Oxford, England)</i> , 2018 , 67, i114-i122	1.3	22
306	Strain and size combined effects on the GaN band structure: VEELS and DFT study. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5430-5434	3.6	5
305	Comparative study of LaNiO ₃ /LaAlO ₃ heterostructures grown by pulsed laser deposition and oxide molecular beam epitaxy. <i>Applied Physics Letters</i> , 2017 , 110, 041606	3.4	22
304	Correction to Step-Flow Growth of Bi ₂ Te ₃ Nanobelts. <i>Crystal Growth and Design</i> , 2017 , 17, 1438-1438	3.5	3
303	Impact of interfacial coupling of oxygen octahedra on ferromagnetic order in LaSrMnO/SrTiO heterostructures. <i>Scientific Reports</i> , 2017 , 7, 40068	4.9	20
302	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	0.3	
301	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,	4.3	1
300	Charge separation and transport in La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} and ion-doping ceria heterostructure material for new generation fuel cell. <i>Nano Energy</i> , 2017 , 37, 195-202	17.1	75
299	Peapod-like Li VO /N-Doped Carbon Nanowires with Pseudocapacitive Properties as Advanced Materials for High-Energy Lithium-Ion Capacitors. <i>Advanced Materials</i> , 2017 , 29, 1700142	24	207
298	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. <i>Journal of Cleaner Production</i> , 2017 , 161, 1432-1441	10.3	26
297	A High Power High Energy Na ₃ V ₂ (PO ₄) ₂ F ₃ Sodium Cathode: Investigation of Transport Parameters, Rational Design and Realization. <i>Chemistry of Materials</i> , 2017 , 29, 5207-5215	9.6	109
296	Phase constitution, Sr distribution and morphology of self-assembled La-Sr-Co-O composite films prepared by PLD. <i>Solid State Ionics</i> , 2017 , 303, 172-180	3.3	14

295	Dual-Functionalized Double Carbon Shells Coated Silicon Nanoparticles for High Performance Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017 , 29, 1605650	24	257
294	Quantitative electron tomography of PLA/clay nanocomposites to understand the effect of the clays in the thermal stability. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	5
293	Magnesium-Assisted Continuous Growth of Strongly Iron-Enriched Incisors. <i>ACS Nano</i> , 2017 , 11, 239-248	16.7	11
292	Influence of Substrate Temperature and Dopant Distribution at Two-Dimensionally Doped Superconducting La ₂ CuO ₄ Interfaces. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1570-1571	0.5	
291	Roughening of a stepped GaN grain boundary with increasing driving force for migration. <i>Europhysics Letters</i> , 2017 , 120, 16002	1.6	4
290	Perfect quintuple layer Bi ₂ Te ₃ nanowires: Growth and thermoelectric properties. <i>APL Materials</i> , 2017 , 5, 086110	5.7	2
289	Synthesis of Superconductor-Topological Insulator Hybrid Nanoribbon Structures. <i>Nano</i> , 2017 , 12, 1750095	10.5	
288	Evidence for Cu ₂ Se platelets at grain boundaries and within grains in Cu(In,Ga)Se ₂ thin films. <i>Applied Physics Letters</i> , 2017 , 111, 032103	3.4	10
287	Point defect segregation and its role in the detrimental nature of Frank partials in Cu(In,Ga)Se ₂ thin-film absorbers. <i>Physical Review B</i> , 2017 , 95,	3.3	8
286	Interface Effects on the Ion Transport of Epitaxial YZrO Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27257-27265	9.5	11
285	Measuring the Cation and Oxygen Atomic Column Displacement at Picometer Precision. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1612-1613	0.5	
284	Dopant size effects on novel functionalities: High-temperature interfacial superconductivity. <i>Scientific Reports</i> , 2017 , 7, 453	4.9	24
283	High Performance Graphene/Ni P Hybrid Anodes for Lithium and Sodium Storage through 3D Yolk-Shell-Like Nanostructural Design. <i>Advanced Materials</i> , 2017 , 29, 1604015	24	193
282	STEM SI Warp: a Digital Micrograph script tool for warping the image distortions of atomically resolved spectrum image. <i>Microscopy and Microanalysis</i> , 2017 , 23, 408-409	0.5	1
281	Magnesium-Supported Continuous Growth of Rodents' Incisors. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1320-1321	0.5	
280	Biomimetic Synthesis of Ceramic Composites. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1390-1391	0.5	
279	Exposing Advanced Building Strategies of Strongly Iron-Enriched Incisors. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1848-1849	0.5	
278	Octahedral Distortions at High-Temperature Superconducting La ₂ CuO ₄ Interfaces: Visualizing Jahn-Teller Effects. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700737	4.6	11

277	Interface engineering of Cu(In,Ga)Se ₂ and atomic layer deposited Zn(O,S) heterojunctions. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 08MC16	1.4	2
276	Interaction between Relativistic Electrons and Mesoscopic Plasmonic Tapers. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1534-1535	0.5	
275	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	0.3	1
274	Complex Magnetic Order in Nickelate Slabs. <i>Springer Theses</i> , 2017 , 109-144	0.1	
273	Structural and Chemical Investigations of Superconducting Lanthanum Cuprate Bilayer Interfaces 2016 , 956-957		
272	Interplay of organic matrix and amorphous calcium phosphate strengthens the isopod claw 2016 , 199-200		
271	Investigation of Plasmonic Modes of Gold Tapers by EELS 2016 , 889-890		
270	Unusually high iron enrichment in hard dental tissues of coypu 2016 , 746-747		
269	Colloidal Rods in Irregular Spatial Confinement 2016 , 43-44		
268	Reflection and Phase Matching in Plasmonic Gold Tapers. <i>Nano Letters</i> , 2016 , 16, 6137-6144	11.5	23
267	Cationic Redistribution at Epitaxial Interfaces in Superconducting Two-Dimensionally Doped Lanthanum Cuprate Films. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27368-27375	9.5	17
266	Preparation and characterization of Sm and Ca co-doped ceria-La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} semiconductor/carbon composites for electrolyte-layer-free fuel cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15426-15436	13	74
265	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, 7774-82	24	122
264	Sample tilt effects on atom column position determination in ABF-STEM imaging. <i>Ultramicroscopy</i> , 2016 , 160, 110-117	3.1	40
263	Phage-assisted assembly of organic/inorganic hybrid bilayers. <i>International Journal of Materials Research</i> , 2016 , 107, 295-299	0.5	3
262	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	3
261	Mapping the plasmonic modes of silver nanoparticle aggregates 2016 , 83-84		
260	Interfacial properties of ceria films on yttria-stabilized zirconia 2016 , 868-869		

259	Electron-Beam-Induced Antiphase Boundary Reconstructions in ZrO ₂ - La _{2/3} Sr _{1/3} MnO ₃ Pillar-Matrix Structures. <i>Microscopy and Microanalysis</i> , 2016 , 22, 1824-1825	0.5	
258	Magnetic and magnetotransport properties of ultrathin La _{0.7} Ba _{0.3} MnO ₃ epitaxial films embedded in SrRuO ₃ . <i>New Journal of Physics</i> , 2016 , 18, 053021	2.9	7
257	Facile Solid-State Growth of 3D Well-Interconnected Nitrogen-Rich Carbon Nanotube/Graphene Hybrid Architectures for Lithium/Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 1112-1119	15.6	246
256	Oxygen octahedra picker: A software tool to extract quantitative information from STEM images. <i>Ultramicroscopy</i> , 2016 , 168, 46-52	3.1	44
255	Long-range charge-density-wave proximity effect at cuprate/manganate interfaces. <i>Nature Materials</i> , 2016 , 15, 831-4	27	28
254	Wedge Dyakonov Waves and Dyakonov Plasmons in Topological Insulator Bi ₂ Se ₃ Probed by Electron Beams. <i>ACS Nano</i> , 2016 , 10, 6988-94	16.7	37
253	Mapping the electrostatic potential of Au nanoparticles using hybrid electron holography. <i>Ultramicroscopy</i> , 2016 , 165, 8-14	3.1	6
252	High Power-High Energy Sodium Battery Based on Threefold Interpenetrating Network. <i>Advanced Materials</i> , 2016 , 28, 2409-16	24	182
251	Controlled self-assembly of biomolecular rods on structured substrates. <i>Soft Matter</i> , 2016 , 12, 3177-83	3.6	3
250	Stability of M13 Phage in Organic Solvents. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2016 , 07, 72-77	1	7
249	Elemental redistributions at structural defects in Cu(In,Ga)Se ₂ thin films for solar cells. <i>Journal of Applied Physics</i> , 2016 , 120, 205301	2.5	12
248	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	0.5	
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