

Rama K Vasudevan

List of Publications by Year in descending order

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186
papers

5,304
citations

92079

37
h-index

106894

65
g-index

205
all docs

205
docs citations

205
times ranked

10938
citing authors

#	ARTICLE	IF	CITATIONS
1	Bias in Reinforcement Learning: A Review in Healthcare Applications. ACM Computing Surveys, 2024, 56, 1-17.	24.3	8
2	Digital twins and deep learning segmentation of defects in monolayer MX2 phases. Applied Physics Letters, 2024, 124, .	3.2	0
3	Deep kernel methods learn better: from cards to process optimization. Machine Learning: Science and Technology, 2024, 5, 015012.	5.2	0
4	A dynamic Bayesian optimized active recommender system for curiosity-driven partially Human-in-the-loop automated experiments. Npj Computational Materials, 2024, 10, .	9.1	6
5	Physics-informed models of domain wall dynamics as a route for autonomous domain wall design <i>via</i> reinforcement learning. Digital Discovery, 2024, 3, 456-466.	5.7	0
6	Human-in-the-Loop: The Future of Machine Learning in Automated Electron Microscopy. Microscopy Today, 2024, 32, 35-41.	0.5	4
7	Autonomous convergence of STM control parameters using Bayesian optimization. , 2024, 2, .		0
8	Comparative evaluation of strawberry cultivars under Subhash Palekar natural farming and conventional farming regimes in Doaba region of Punjab conditions. Journal of Applied and Natural Science, 2024, 16, 282-288.	0.4	0
9	Deep learning with plasma plume image sequences for anomaly detection and prediction of growth kinetics during pulsed laser deposition. Npj Computational Materials, 2024, 10, .	9.1	1
10	Synergizing human expertise and AI efficiency with language model for microscopy operation and automated experiment design [*]. Machine Learning: Science and Technology, 2024, 5, 02LT01.	5.2	0
11	Assessing knowledge of and attitudes towards plagiarism and ability to recognize plagiaristic writing among university students in Rwanda. Higher Education, 2023, 85, 247-263.	4.6	10
12	Autonomous continuous flow reactor synthesis for scalable atom-precision. Carbon Trends, 2023, 10, 100234.	3.1	2
13	More light components and less light damage on ratsâ€™ eyes: evidence for the photobiomodulation and spectral opponency. Photochemical and Photobiological Sciences, 2023, 22, 809-824.	2.9	1
14	Optimizing training trajectories in variational autoencoders via latent Bayesian optimization approach [*]. Machine Learning: Science and Technology, 2023, 4, 015011.	5.2	5
15	Probe microscopy is all you need [*]. Machine Learning: Science and Technology, 2023, 4, 023001.	5.2	9
16	Deep learning for exploring ultra-thin ferroelectrics with highly improved sensitivity of piezoresponse force microscopy. Npj Computational Materials, 2023, 9, .	9.1	5
17	Learning the right channel in multimodal imaging: automated experiment in piezoresponse force microscopy. Npj Computational Materials, 2023, 9, .	9.1	6
18	Adaptive sampling for accelerating neutron diffraction-based strain mapping [*]. Machine Learning: Science and Technology, 2023, 4, 025001.	5.2	2

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19	Real-time insight into the multistage mechanism of nanoparticle exsolution from a perovskite host surface. <i>Nature Communications</i> , 2023, 14, .	13.2	15
20	Exploring the Relationship of Microstructure and Conductivity in Metal Halide Perovskites via Active Learning-Driven Automated Scanning Probe Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 3352-3359.	4.9	13
21	Optimizing Patient-Specific Medication Regimen Policies Using Wearable Sensors in Parkinsonâ€™s Disease. <i>Management Science</i> , 2023, 69, 5964-5982.	4.2	3
22	Automated piezoresponse force microscopy domain tracking during fast thermally stimulated phase transition in $\text{CuInP}_{2\text{S}_6}$. <i>Nanotechnology</i> , 2023, 34, 325703.	2.7	3
23	A Processing and Analytics System for Microscopy Data Workflows: The Pycroscopy Ecosystem of Packages. <i>Advanced Theory and Simulations</i> , 2023, 6, .	2.9	4
24	High-speed mapping of surface charge dynamics using sparse scanning Kelvin probe force microscopy. <i>Nature Communications</i> , 2023, 14, .	13.2	6
25	Anisotropic epitaxial stabilization of a low-symmetry ferroelectric with enhanced electromechanical response. <i>Nature Materials</i> , 2022, 21, 74-80.	26.6	41
26	Towards automating structural discovery in scanning transmission electron microscopy. <i>Machine Learning: Science and Technology</i> , 2022, 3, 015024.	5.2	11
27	Quantum Teleportation of Unknown Seven-Qubit Entangled State Using Four-Qubit Entangled State. <i>International Journal of Theoretical Physics</i> , 2022, 61, 1.	1.2	1
28	Adapting Reinforcement Learning Treatment Policies Using Limited Data to Personalize Critical Care. <i>INFORMS Journal on Data Science</i> , 2022, 1, 27-49.	1.8	2
29	From atomically resolved imaging to generative and causal models. <i>Nature Physics</i> , 2022, 18, 1152-1160.	11.8	9
30	Bayesian Active Learning for Scanning Probe Microscopy: From Gaussian Processes to Hypothesis Learning. <i>ACS Nano</i> , 2022, 16, 13492-13512.	15.3	37
31	Discovering mechanisms for materials microstructure optimization via reinforcement learning of a generative model. <i>Machine Learning: Science and Technology</i> , 2022, 3, 04LT03.	5.2	1
32	Diabetes Affects Antibody Response to SARS-CoV-2 Vaccination in Older Residents of Long-term Care Facilities: Data From the GeroCovid Vax Study. <i>Diabetes Care</i> , 2022, 45, 2935-2942.	9.1	15
33	Off-the-shelf deep learning is not enough, and requires parsimony, Bayesianity, and causality. <i>Npj Computational Materials</i> , 2021, 7, .	9.1	33
34	Enhancing hyperspectral EELS analysis of complex plasmonic nanostructures with pan-sharpening. <i>Journal of Chemical Physics</i> , 2021, 154, 014202.	3.1	7
35	Exotic Long-Range Surface Reconstruction on $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9166-9173.	8.3	7
36	Machine learning for materials design and discovery. <i>Journal of Applied Physics</i> , 2021, 129, .	2.3	47

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37	Predictability as a probe of manifest and latent physics: The case of atomic scale structural, chemical, and polarization behaviors in multiferroic Sm-doped BiFeO ₃ . Applied Physics Reviews, 2021, 8, .	11.7	8
38	Formation of cobalt clusters in Layered Double Hydroxide. Journal of the Ceramic Society of Japan, 2021, 129, 175-180.	1.3	2
39	Thermodynamics of order and randomness in dopant distributions inferred from atomically resolved imaging. Npj Computational Materials, 2021, 7, .	9.1	1
40	Investigating phase transitions from local crystallographic analysis based on statistical learning of atomic environments in 2D MoS ₂ -ReS ₂ . Applied Physics Reviews, 2021, 8, 011409.	11.7	7
41	Strain-driven autonomous control of cation distribution for artificial ferroelectrics. Science Advances, 2021, 7, .	10.9	5
42	Separating Physically Distinct Mechanisms in Complex Infrared Plasmonic Nanostructures via Machine Learning Enhanced Electron Energy Loss Spectroscopy. Advanced Optical Materials, 2021, 9, 2001808.	7.9	15
43	Probing atomic-scale symmetry breaking by rotationally invariant machine learning of multidimensional electron scattering. Npj Computational Materials, 2021, 7, .	9.1	19
44	Bayesian Learning of Adatom Interactions from Atomically Resolved Imaging Data. ACS Nano, 2021, 15, 9649-9657.	15.3	9
45	Autonomous Experiments in Scanning Probe Microscopy and Spectroscopy: Choosing Where to Explore Polarization Dynamics in Ferroelectrics. ACS Nano, 2021, 15, 11253-11262.	15.3	26
46	Automated and Autonomous Experiments in Electron and Scanning Probe Microscopy. ACS Nano, 2021, 15, 12604-12627.	15.3	64
47	Propagation of priors for more accurate and efficient spectroscopic functional fits and their application to ferroelectric hysteresis. Machine Learning: Science and Technology, 2021, 2, 045002.	5.2	2
48	Decoding the shift-invariant data: applications for band-excitation scanning probe microscopy [*]. Machine Learning: Science and Technology, 2021, 2, 045028.	5.2	9
49	Gaussian process analysis of electron energy loss spectroscopy data: multivariate reconstruction and kernel control. Npj Computational Materials, 2021, 7, .	9.1	6
50	Probing polarization dynamics at specific domain configurations: Computer-vision based automated experiment in piezoresponse force microscopy. Applied Physics Letters, 2021, 119, .	3.2	5
51	Probing Metastable Domain Dynamics <i>via</i> Automated Experimentation in Piezoresponse Force Microscopy. ACS Nano, 2021, 15, 15096-15103.	15.3	6
52	Transcriptomic analysis of the Myxococcus xanthus FruA regulon, and comparative developmental transcriptomic analysis of two fruiting body forming species, Myxococcus xanthus and Myxococcus stipitatus. BMC Genomics, 2021, 22, 784.	2.9	6
53	Exploring electron beam induced atomic assembly via reinforcement learning in a molecular dynamics environment. Nanotechnology, 2021, , .	2.7	4
54	Deep Bayesian local crystallography. Npj Computational Materials, 2021, 7, .	9.1	15

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55	Perceptions of risk and influences of choice in pregnant women with obesity. An evidence synthesis of qualitative research. PLoS ONE, 2020, 15, e0227325.	2.5	12
56	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}}=8.16$ TeV. Physical Review Letters, 2020, 125, 212001.	8.0	11
57	Glycine-Histidine-Lysine (GHK) Alleviates Astrocytes Injury of Intracerebral Hemorrhage via the Akt/miR-146a-3p/AQP4 Pathway. Frontiers in Neuroscience, 2020, 14, 576389.	2.9	10
58	Dynamic Manipulation in Piezoresponse Force Microscopy: Creating Nonequilibrium Phases with Large Electromechanical Response. ACS Nano, 2020, 14, 10569-10577.	15.3	15
59	Exploring phase transitions and magnetoelectric coupling of epitaxial asymmetric multilayer heterostructures. Journal of Materials Chemistry C, 2020, 8, 12113-12122.	5.6	8
60	Bayesian inference in band excitation scanning probe microscopy for optimal dynamic model selection in imaging. Journal of Applied Physics, 2020, 128, 054105.	2.3	9
61	Room temperature multiferroicity and magnetodielectric coupling in $\text{O}^{\wedge}3$ composite thin films. Journal of Applied Physics, 2020, 127, .	2.3	17
62	Self-Assembled NiO Nanocrystal Arrays as Memristive Elements. Advanced Electronic Materials, 2020, 6, 1901153.	5.4	5
63	Guided search for desired functional responses via Bayesian optimization of generative model: Hysteresis loop shape engineering in ferroelectrics. Journal of Applied Physics, 2020, 128, .	2.3	10
64	Visualizing Charge Transport and Nanoscale Electrochemistry by Hyperspectral Kelvin Probe Force Microscopy. ACS Applied Materials & Interfaces, 2020, 12, 33361-33369.	8.3	10
65	Domains and Topological Defects in Layered Ferrielectric Materials: Implications for Nanoelectronics. ACS Applied Nano Materials, 2020, 3, 8161-8166.	5.2	5
66	Exploration of lattice Hamiltonians for functional and structural discovery via Gaussian process-based exploration-exploitation. Journal of Applied Physics, 2020, 128, .	2.3	8
67	Reconstruction and uncertainty quantification of lattice Hamiltonian model parameters from observations of microscopic degrees of freedom. Journal of Applied Physics, 2020, 128, 214103.	2.3	2
68	Deep learning of interface structures from simulated 4D STEM data: cation intermixing vs. roughening. Machine Learning: Science and Technology, 2020, 1, 04LT01.	5.2	7
69	Thickness and strain dependence of piezoelectric coefficient in BaTiO_3 thin films. Physical Review Materials, 2020, 4, .		
70	Multi-level emulation of complex climate model responses to boundary forcing data. Climate Dynamics, 2019, 52, 1505-1531.	3.8	7
71	Building ferroelectric from the bottom up: The machine learning analysis of the atomic-scale ferroelectric distortions. Applied Physics Letters, 2019, 115, .	3.2	22
72	Materials science in the artificial intelligence age: high-throughput library generation, machine learning, and a pathway from correlations to the underpinning physics. MRS Communications, 2019, 9, 821-838.	1.8	118

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73	Revealing ferroelectric switching character using deep recurrent neural networks. Nature Communications, 2019, 10, 4809.	13.2	38
74	Building and exploring libraries of atomic defects in graphene: Scanning transmission electron and scanning tunneling microscopy study. Science Advances, 2019, 5, eaaw8989.	10.9	76
75	Polarization-dependent local conductivity and activation energy in KTiOPO ₄ . Applied Physics Letters, 2019, 114, .	3.2	3
76	Predominant Tâ€helper 17 skewing in elephantiasis nostras verrucosa. Journal of Dermatology, 2019, 46, e288-e290.	1.3	3
77	AhR controls redox homeostasis and shapes the tumor microenvironment in BRCA1-associated breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3604-3613.	7.6	99
78	Gyrokinetic full-f particle-in-cell simulations on open field lines with PICLS. Physics of Plasmas, 2019, 26, 122302.	1.9	10
79	Learning from Imperfections: Predicting Structure and Thermodynamics from Atomic Imaging of Fluctuations. ACS Nano, 2019, 13, 718-727.	15.3	26
80	Reconstructing phase diagrams from local measurements via Gaussian processes: mapping the temperature-composition space to confidence. Npj Computational Materials, 2018, 4, .	9.1	17
81	Ultrafast current imaging by Bayesian inversion. Nature Communications, 2018, 9, 513.	13.2	14
82	Interatrial septal motion as a novel index to predict left atrial pressure. Heart and Vessels, 2018, 33, 762-769.	1.2	3
83	Machine learningâ€enabled identification of material phase transitions based on experimental data: Exploring collective dynamics in ferroelectric relaxors. Science Advances, 2018, 4, eaap8672.	10.9	57
84	Data mining for better material synthesis: The case of pulsed laser deposition of complex oxides. Journal of Applied Physics, 2018, 123, .	2.3	31
85	Green Electrospun Nanofibers and Their Application in Air Filtration. Macromolecular Materials and Engineering, 2018, 303, 1800336.	3.8	291
86	Production cross sections of hyperons and charmed baryons from $e^+e^- \rightarrow \Lambda_c^+ \Lambda^0$ annihilation near $\sqrt{s} = 4.8$. Physical Review D, 2018, 97, .	4.8	18
87	Machine Detection of Enhanced Electromechanical Energy Conversion in PbZr _{0.2} Ti _{0.8} O ₃ Thin Films. Advanced Materials, 2018, 30, e1800701.	24.3	24
88	Mapping mesoscopic phase evolution during E-beam induced transformations via deep learning of atomically resolved images. Npj Computational Materials, 2018, 4, .	9.1	31
89	Mycâ€nick promotes efferocytosis through M2 macrophage polarization during resolution of inflammation. FASEB Journal, 2018, 32, 5312-5325.	0.5	44
90	Surface Chemistry Controls Anomalous Ferroelectric Behavior in Lithium Niobate. ACS Applied Materials & Interfaces, 2018, 10, 29153-29160.	8.3	20

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91	Naringenin improve hepatitis C virus infection induced insulin resistance by increase PTEN expression via p53-dependent manner. Biomedicine and Pharmacotherapy, 2018, 103, 746-754.	5.8	13
92	Deep data analysis via physically constrained linear unmixing: universal framework, domain examples, and a community-wide platform. Advanced Structural and Chemical Imaging, 2018, 4, 6.	4.0	46
93	Electronic switching by metastable polarization states in BiFeO_3 thin films. Physical Review Materials, 2018, 2, .	2.5	5
94	Spatial distribution of chemical elements in the lens volume during lens transparency alterations. Point of View East – West, 2018, , 53-56.	0.1	0
95	Gastrointestinal Bleeding With Rare Etiology: A Case Report of Primary Aorto-Enteric Fistula. American Journal of Gastroenterology, 2018, 113, S1140-S1141.	0.4	0
96	Localised nanoscale resistive switching in GaP thin films with low power consumption. Journal of Materials Chemistry C, 2017, 5, 2153-2159.	5.6	8
97	Mixed electrochemical “ferroelectric states in nanoscale ferroelectrics. Nature Physics, 2017, 13, 812-818.	11.8	102
98	Ferroelectric or non-ferroelectric: Why so many materials exhibit “ferroelectricity” on the nanoscale. Applied Physics Reviews, 2017, 4, .	11.7	254
99	Direct Imaging of the Relaxation of Individual Ferroelectric Interfaces in a Tensile-Strained Film. Advanced Electronic Materials, 2017, 3, 1600508.	5.4	7
100	mPEGylated solanesol micelles as redox-responsive nanocarriers with synergistic anticancer effect. Acta Biomaterialia, 2017, 64, 211-222.	8.8	31
101	Knowledge Extraction from Atomically Resolved Images. ACS Nano, 2017, 11, 10313-10320.	15.3	32
102	Consistent Integration of Experimental and Ab Initio Data into Effective Physical Models. Journal of Chemical Theory and Computation, 2017, 13, 5179-5194.	5.6	14
103	Studies on dielectric, optical, magnetic, magnetic domain structure, and resistance switching characteristics of highly c-axis oriented NZFO thin films. Journal of Applied Physics, 2017, 122, .	2.3	13
104	Nanoscale Probing of Elastic “Electronic Response to Vacancy Motion in NiO Nanocrystals. ACS Nano, 2017, 11, 8387-8394.	15.3	9
105	Three-State Ferroelastic Switching and Large Electromechanical Responses in PbTiO_3 Thin Films. Advanced Materials, 2017, 29, 1702069.	24.3	77
106	Dynamics of Transformation from Platinum Icosahedral Nanoparticles to Larger FCC Crystal at Millisecond Time Resolution. Scientific Reports, 2017, 7, 17243.	3.4	9
107	Deep Learning of Atomically Resolved Scanning Transmission Electron Microscopy Images: Chemical Identification and Tracking Local Transformations. ACS Nano, 2017, 11, 12742-12752.	15.3	301
108	Effect of surface ionic screening on the polarization reversal scenario in ferroelectric thin films: Crossover from ferroionic to antiferroionic states. Physical Review B, 2017, 96, .	3.3	26

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109	Field enhancement of electronic conductance at ferroelectric domain walls. Nature Communications, 2017, 8, 1318.	13.2	33
110	Evaluation of the impact of different neural network structure and data input on fault detection. , 2017, , .		4
111	Kulturentwicklung und -verÄnderung. , 2017, , 245-293.		0
112	Phase determination from atomically resolved images: physics-constrained deep data analysis through an unmixing approach. Microscopy and Microanalysis, 2016, 22, 1452-1453.	0.4	0
113	Analysis of citation networks as a new tool for scientific research. MRS Bulletin, 2016, 41, 1009-1016.	4.2	9
114	Piezoelectric response enhancement in the proximity of grain boundaries of relaxor-ferroelectric thin films. Applied Physics Letters, 2016, 108, 242908.	3.2	4
115	Correlation between piezoresponse nonlinearity and hysteresis in ferroelectric crystals at the nanoscale. Applied Physics Letters, 2016, 108, .	3.2	4
116	Topological Structures in Multiferroics â€œ Domain Walls, Skyrmions and Vortices. Advanced Electronic Materials, 2016, 2, 1500292.	5.4	84
117	Solid-state electrochemistry on the nanometer and atomic scales: the scanning probe microscopy approach. Nanoscale, 2016, 8, 13838-13858.	5.8	27
118	Big, Deep, and Smart Data in Scanning Probe Microscopy. ACS Nano, 2016, 10, 9068-9086.	15.3	106
119	Phases and Interfaces from Real Space Atomically Resolved Data: Physics-Based Deep Data Image Analysis. Nano Letters, 2016, 16, 5574-5581.	9.5	43
120	Contradictory nature of Co doping in ferroelectric BaTiO_3 . Physical Review B, 2016, 94, .	3.3	9
121	Single-domain multiferroic BiFeO_3 films. Nature Communications, 2016, 7, 12712.	13.2	98
122	Acoustic Detection of Phase Transitions at the Nanoscale. Advanced Functional Materials, 2016, 26, 478-486.	16.5	28
123	Growth Mode Transition in Complex Oxide Heteroepitaxy: Atomically Resolved Studies. Crystal Growth and Design, 2016, 16, 2708-2716.	3.2	13
124	Auxiliary diagnosis of lymph node metastasis in early gastric cancer using quantitative evaluation of sentinel node radioactivity. Gastric Cancer, 2016, 19, 1080-1087.	5.5	17
125	Highly mobile ferroelastic domain walls in compositionally graded ferroelectric thin films. Nature Materials, 2016, 15, 549-556.	26.6	101
126	Report of a New Case With Pentasomy X and Novel Clinical Findings. Balkan Journal of Medical Genetics, 2015, 18, 85-92.	0.5	8

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127	A bridge for accelerating materials by design. Npj Computational Materials, 2015, 1, .	9.1	51
128	Multidimensional dynamic piezoresponse measurements: Unraveling local relaxation behavior in relaxor-ferroelectrics via big data. Journal of Applied Physics, 2015, 118, .	2.3	17
129	Designing an Ontology to Convert Factory Dust into Nanocomposites. Refractories and Industrial Ceramics, 2015, 56, 107-110.	0.6	0
130	Atomic-scale electrochemistry on the surface of a manganite by scanning tunneling microscopy. Applied Physics Letters, 2015, 106, .	3.2	17
131	Big data and deep data in scanning and electron microscopies: deriving functionality from multidimensional data sets. Advanced Structural and Chemical Imaging, 2015, 1, 6.	4.0	76
132	The Ehrlich-Schwoebel barrier on an oxide surface: a combined Monte-Carlo and scanning tunneling microscopy approach. Nanotechnology, 2015, 26, 455705.	2.7	8
133	Electrocatalysis-induced elasticity modulation in a superionic proton conductor probed by band-excitation atomic force microscopy. Nanoscale, 2015, 7, 20089-20094.	5.8	6
134	Extracting the Redox Orbitals in Li Battery Materials with High-Resolution X-Ray Compton Scattering Spectroscopy. Physical Review Letters, 2015, 114, 087401.	8.0	42
135	Surface Control of Epitaxial Manganite Films via Oxygen Pressure. ACS Nano, 2015, 9, 4316-4327.	15.3	28
136	Bias assisted scanning probe microscopy direct write lithography enables local oxygen enrichment of lanthanum cuprates thin films. Nanotechnology, 2015, 26, 325302.	2.7	1
137	Dimensionality Controlled Octahedral Symmetry-Mismatch and Functionalities in Epitaxial LaCoO ₃ /SrTiO ₃ Heterostructures. Nano Letters, 2015, 15, 4677-4684.	9.5	77
138	The Unexpected Mechanism Underlying the High-Valent Mono-Oxo-Rhenium(V) Hydride Catalyzed Hydrosilylation of C=C/N Functionalities: Insights from a DFT Study. ChemPhysChem, 2015, 16, 1052-1060.	2.3	5
139	Big data in reciprocal space: Sliding fast Fourier transforms for determining periodicity. Applied Physics Letters, 2015, 106, .	3.2	36
140	Mesoscopic harmonic mapping of electromechanical response in a relaxor ferroelectric. Applied Physics Letters, 2015, 106, 222901.	3.2	9
141	Giant elastic tunability in strained BiFeO ₃ near an electrically induced phase transition. Nature Communications, 2015, 6, 8985.	13.2	45
142	Effect of silver doping on the surface of La _{5/8} Ca _{3/8} MnO ₃ epitaxial films. Applied Physics Letters, 2014, 105, .	3.2	6
143	Scaling Behavior of Resistive Switching in Epitaxial Bismuth Ferrite Heterostructures. Advanced Functional Materials, 2014, 24, 3962-3969.	16.5	69
144	Big-Data Reflection High Energy Electron Diffraction Analysis for Understanding Epitaxial Film Growth Processes. ACS Nano, 2014, 8, 10899-10908.	15.3	39

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145	Deterministic arbitrary switching of polarization in a ferroelectric thin film. Nature Communications, 2014, 5, 4971.	13.2	36
146	Study of exclusive two-photon production of $W+W^*$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.8	77
147	Revelations About Carotid Body Function Through its Pathological Role in Resistant Hypertension. Current Hypertension Reports, 2013, 15, 273-280.	3.4	63
148	Domain Wall Conduction and Polarization-Mediated Transport in Ferroelectrics. Advanced Functional Materials, 2013, 23, 2592-2616.	16.5	117
149	Antecedents and Consequences of Creativity in Product Innovation Teams. Journal of Product Innovation Management, 2013, 30, 170-185.	9.4	169
150	Polarization Dynamics in Ferroelectric Capacitors: Local Perspective on Emergent Collective Behavior and Memory Effects. Advanced Functional Materials, 2013, 23, 2490-2508.	16.5	22
151	Nanoscale Origins of Nonlinear Behavior in Ferroic Thin Films. Advanced Functional Materials, 2013, 23, 81-90.	16.5	21
152	Higher order harmonic detection for exploring nonlinear interactions with nanoscale resolution. Scientific Reports, 2013, 3, 2677.	3.4	18
153	Unraveling the origins of electromechanical response in mixed-phase bismuth ferrite. Physical Review B, 2013, 88, .	3.3	29
154	Soft skills and dental education. European Journal of Dental Education, 2013, 17, 73-82.	2.1	60
155	Spectroscopic imaging in piezoresponse force microscopy: New opportunities for studying polarization dynamics in ferroelectrics and multiferroics. MRS Communications, 2012, 2, 61-73.	1.8	36
156	Anisotropic conductivity of uncharged domain walls in BiFeO_3 . Physical Review B, 2012, 86, .	3.3	64
157	Domain Wall Geometry Controls Conduction in Ferroelectrics. Nano Letters, 2012, 12, 5524-5531.	9.5	129
158	Controlling magnetoelectric coupling by nanoscale phase transformation in strain engineered bismuth ferrite. Nanoscale, 2012, 4, 3175.	5.8	45
159	Differential Differences in Methylation Status of Putative Imprinted Genes among Cloned Swine Genomes. PLoS ONE, 2012, 7, e32812.	2.5	29
160	Electrical Control of Multiferroic Orderings in Mixed-Phase BiFeO_3 Films. Advanced Materials, 2012, 24, 3070-3075.	24.8	54
161	Nanoscale Control of Phase Variants in Strain-Engineered BiFeO_3 . Nano Letters, 2011, 11, 3346-3354.	9.5	76
162	Controlling the primary particle evolution process towards silica monoliths with tunable hierarchical structure. Journal of Colloid and Interface Science, 2011, 364, 594-604.	9.6	20

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163	Ferroelectric and electrical characterization of multiferroic BiFeO ₃ at the single nanoparticle level. Applied Physics Letters, 2011, 99, 252905.	3.2	11
164	Prime numbers with Beatty sequences. Colloquium Mathematicum, 2009, 115, 147-157.	0.3	27
165	Readout characteristics of a non-circular aperture mounted on an optical head slider flying above a medium having sub-100-nm-long patterns. Microsystem Technologies, 2007, 13, 1077-1084.	2.1	2
166	A case of anaphylactic shock possibly caused by intravesical Hexvixi [®] 1/2. Acta Anaesthesiologica Scandinavica, 2006, 50, 1165-1167.	1.7	17
167	Data required for testicular dose calculation during radiotherapy of seminoma. Medical Physics, 2006, 33, 2391-2395.	2.9	8
168	Strategic asset allocation using quadratic programming with case based reasoning and intelligent agents. WIT Transactions on Modelling and Simulation, 2006, , .	0.0	0
169	Deformation Behavior of Cordierite Ceramics Obtained by Densification/Crystallization of Glass Compacts at High Temperatures.. Journal of the Ceramic Society of Japan, 1999, 107, 134-139.	1.3	1
170	Glycosylation of thyroglobulin secreted by porcine cells cultured in chamber system: thyrotropin controls the number of oligosaccharides and their anionic residues.. Endocrinology, 1994, 134, 1676-1684.	2.8	16
171	Automatic recording of flea activity. Medical and Veterinary Entomology, 1991, 5, 93-100.	1.6	2
172	The assessment of the systemic effects of inhaled glucocorticosteroids. European Journal of Clinical Pharmacology, 1991, 41, 11-16.	1.9	27
173	SERUM IMMUNOREACTIVE SOMATOMEDIN-C LEVELS IN GROWTH FAILURE AND DELAYED PUBERTY ASSOCIATED WITH CHRONIC HEPATOSPLENIC SCHISTOSOMIASIS. Clinical Endocrinology, 1986, 24, 617-626.	2.6	4
174	Scientific Instruments, 1983, 54, 118-120.	1.4	30
175	On the reactions of α^2 -ketoesters with 2,3-diaminopyridine and its derivatives. Journal of Heterocyclic Chemistry, 1973, 10, 201-207.	2.4	30
176	Subchondral bone changes in patients with early degenerative joint disease. Arthritis and Rheumatism, 1970, 13, 400-405.	6.8	199
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