

Cong Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/684034/publications.pdf>

Version: 2024-02-01

250
papers

7,832
citations

47006

47
h-index

66911

78
g-index

251
all docs

251
docs citations

251
times ranked

8750
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of high-pressure technology in exploring mechanical properties of high-entropy alloys. Tungsten, 2023, 5, 50-66.	4.8	6
2	Spatial–Temporal Prediction of Vegetation Index With Deep Recurrent Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
3	Emerging of two-dimensional materials in novel memristor. Frontiers of Physics, 2022, 17, 1.	5.0	37
4	Enhanced thermal stability of Mo film with low infrared emissivity by a TiN barrier layer. Applied Surface Science, 2022, 571, 151368.	6.1	10
5	Fair sharing of network resources among workflow ensembles. Cluster Computing, 2022, 25, 2873-2891.	5.0	1
6	Strain regulated interlayer coupling in WSe ₂ /WS ₂ heterobilayer. Nanotechnology, 2022, 33, 085705.	2.6	5
7	Latest advance on seamless metal-semiconductor contact with ultralow Schottky barrier in 2D-material-based devices. Nano Today, 2022, 42, 101372.	11.9	21
8	Vacuum Based Gas Sensing Material Characterization System for Precise and Simultaneous Measurement of Optical and Electrical Responses. Sensors, 2022, 22, 1014.	3.8	4
9	Optical Performance, Thermal Stability, and Failure Analysis of the WN _x -Si ₃ N ₄ Multilayer Solar Selective Absorbing Coatings. ACS Applied Energy Materials, 2022, 5, 1883-1893.	5.1	7
10	Eastern–Pacific and Central–Pacific Types of ENSO Elicit Diverse Responses of Vegetation in the West Pacific Region. Geophysical Research Letters, 2022, 49, .	4.0	1
11	Room-temperature third-order nonlinear Hall effect in Weyl semimetal TaIrTe ₄ . National Science Review, 2022, 9, .	9.5	14
12	A High Precision and Multifunctional Electro-Optical Conversion Efficiency Measurement System for Metamaterial-Based Thermal Emitters. Sensors, 2022, 22, 1313.	3.8	1
13	Anisotropic Properties of Tellurium Nanoflakes Probed by Polarized Raman and Transient Absorption Microscopy: Implications for Polarization-Sensitive Applications. ACS Applied Nano Materials, 2022, 5, 1767-1774.	5.0	9
14	Effect of thermal stress on non-collinear antiferromagnetic phase transitions in antiperovskite Mn ₃ GaN compounds with Mn ₃ SbN inclusions. Ceramics International, 2022, 48, 15200-15206.	4.8	6
15	Modeling on Energy-Efficiency Computation Offloading Using Probabilistic Action Generating. IEEE Internet of Things Journal, 2022, 9, 20681-20692.	8.7	3
16	Divergent Performances of Vegetation Indices in Extracting Photosynthetic Phenology for Northern Deciduous Broadleaf Forests. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	10
17	Solving Virtual Network Mapping Fast by Combining Neural Network and MCTS. , 2022, , .		1
18	A single-player Monte Carlo tree search method combined with node importance for virtual network embedding. Annales Des Telecommunications/Annals of Telecommunications, 2021, 76, 297-312.	2.5	1

#	ARTICLE	IF	CITATIONS
19	MXene (Ti ₂ NTx): Synthesis, characteristics and application as a thermo-optical switcher for all-optical wavelength tuning laser. <i>Science China Materials</i> , 2021, 64, 259-265.	6.3	40
20	An integrated approach for robotic Sit-To-Stand assistance: Control framework design and human intention recognition. <i>Control Engineering Practice</i> , 2021, 107, 104680.	5.5	11
21	Recent progress in all-inorganic metal halide nanostructured perovskites: Materials design, optical properties, and application. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	26
22	First-principles study of the structural, electronic, and magnetic properties of Mn-doped Ni ₃ XN (X=Al, Ga, In). <i>Journal of Applied Physics</i> , 2021, 129, 195101.	1.9	0
23	Enhancement of the VIS-NIR absorption in a sulfurated-high-entropy film. <i>Materials Advances</i> , 2021, 2, 6411-6417.	5.4	0
24	MXenes: Synthesis, Optical Properties, and Applications in Ultrafast Photonics. <i>Small</i> , 2021, 17, e2006054.	10.0	119
25	Nonlinear Photonics Using Low-Dimensional Metal Halide Perovskites: Recent Advances and Future Challenges. <i>Advanced Materials</i> , 2021, 33, e2004446.	21.0	58
26	Minority-spin conduction in ferromagnetic Mn ₅ Cx and Mn ₅ C ₂ . <i>Physical Review B</i> , 2021, 103, 080401.	3.2	5
27	Design of negative/nearly zero thermal expansion behavior over a wide temperature range by multi-phase composite. <i>Materials and Design</i> , 2021, 203, 109591.	7.0	18
28	Mining Workflows for Anomalous Data Transfers. , 2021, , .		8
29	Broadband and ultrafast all-optical switching based on transition metal carbide. <i>Nanophotonics</i> , 2021, 10, 2617-2623.	6.0	9
30	Improved Dielectric Properties and Grain Boundary Effect of Phenanthrene Under High Pressure. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	2
31	Wafer-Scale Fabrication and Assembly Method of Multichannel Microelectrode Arrays for ECoG Application. <i>Electronics (Switzerland)</i> , 2021, 10, 316.	3.1	1
32	Design and Optimization of Microwave Sensor for the Non-Contact Measurement of Pure Dielectric Materials. <i>Electronics (Switzerland)</i> , 2021, 10, 3057.	3.1	8
33	A Q-learning-based approach for virtual network embedding in data center. <i>Neural Computing and Applications</i> , 2020, 32, 1995-2004.	5.6	26
34	Broadband and Wide-Temperature-Range Thermal Emitter with Super-Hydrophobicity Based on Oxidized High-Entropy Film. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4123-4128.	8.0	12
35	Adjustable uniaxial zero thermal expansion and zero linear compressibility in unique hybrid semiconductors: the role of the organic chain. <i>Dalton Transactions</i> , 2020, 49, 719-728.	3.3	16
36	Synthesis of BiOF/TiO ₂ Heterostructures and Their Enhanced Visible-Light Photocatalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 253-260.	2.0	6

#	ARTICLE	IF	CITATIONS
37	Essential role of oxygen vacancy in electrochromic performance and stability for WO ₃ -y films induced by atmosphere annealing. <i>Electrochimica Acta</i> , 2020, 332, 135504.	5.2	52
38	Mid-Infrared Photonics Using 2D Materials: Status and Challenges. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900098.	8.7	106
39	Peptidomic Investigation of the Interplay between Enzymatic Tenderization and the Digestibility of Beef Semimembranosus Proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1136-1146.	5.2	35
40	Strain-Induced Band-Gap Tuning of 2D SnS ₂ Flakes for Application in Flexible Sensors. <i>Advanced Materials Technologies</i> , 2020, 5, 1900853.	5.8	21
41	Modeling on virtual network embedding using reinforcement learning. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e6020.	2.2	7
42	Improvement of thermal stability of ZrSiON based solar selective absorbing coating. <i>Journal of Materiomics</i> , 2020, 6, 760-767.	5.7	12
43	Logical Peering for Interdomain Networking on Testbeds. , 2020, , .		2
44	Two-Dimensional Black Phosphorus Nanomaterials: Emerging Advances in Electrochemical Energy Storage Science. <i>Nano-Micro Letters</i> , 2020, 12, 179.	27.0	82
45	Recent Advances in Semiconducting Monoelemental Selenium Nanostructures for Device Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2003301.	14.9	93
46	A Novel Sentence Embedding Based Topic Detection Method for Microblogs. <i>IEEE Access</i> , 2020, 8, 202980-202992.	4.2	4
47	Handling crowdsourced data using state space discretization for robot learning and synthesizing physical skills. <i>International Journal of Intelligent Robotics and Applications</i> , 2020, 4, 390-402.	2.8	2
48	Modulation of the cutoff wavelength in the spectra for solar selective absorbing coating based on high-entropy films. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 1371-1378.	4.9	8
49	Recent Advances in Strain-Induced Piezoelectric and Piezoresistive Effect-Engineered 2D Semiconductors for Adaptive Electronics and Optoelectronics. <i>Nano-Micro Letters</i> , 2020, 12, 106.	27.0	89
50	Graphdiyne-Polymer Nanocomposite as a Broadband and Robust Saturable Absorber for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900367.	8.7	99
51	Negative thermal expansion, magnetic and electronic transport properties in antiperovskite compounds Mn ₃ Ca _{1-x} Ag _x N (0 ≤ x ≤ 1.0). <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 514, 167137. ^{2,3}		4
52	Two-dimensional nanomaterial-based plasmonic sensing applications: Advances and challenges. <i>Coordination Chemistry Reviews</i> , 2020, 410, 213218.	18.8	74
53	All-Optical Control of Microfiber Knot Resonator Based on 2D Ti ₂ CT _x /MXene. <i>Advanced Optical Materials</i> , 2020, 8, 1900977.	7.3	39
54	High-performance optoelectronic memory based on bilayer MoS ₂ grown by Au catalyst. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2664-2668.	5.5	9

#	ARTICLE	IF	CITATIONS
55	2D Material Optoelectronics for Information Functional Device Applications: Status and Challenges. <i>Advanced Science</i> , 2020, 7, 2000058.	11.2	215
56	Discovery of negative thermal expansion with giant thermal hysteresis in Fe ₃ NiBx. <i>Scripta Materialia</i> , 2020, 183, 149-152.	5.2	4
57	Ultrafast fiber lasers mode-locked by two-dimensional materials: review and prospect. <i>Photonics Research</i> , 2020, 8, 78.	7.0	242
58	An On-Demand Weather Avoidance System for Small Aircraft Flight Path Routing. <i>Lecture Notes in Computer Science</i> , 2020, , 311-319.	1.3	3
59	Application Aware Software Defined Flows of Workflow Ensembles. , 2020, , .		1
60	Interaction characterization of preheated soy protein isolate with cyanidin-3-O-glucoside and their effects on the stability of black soybean seed coat anthocyanins extracts. <i>Food Chemistry</i> , 2019, 271, 266-273.	8.2	128
61	Black phosphorene exhibiting negative thermal expansion and negative linear compressibility. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 465003.	1.8	9
62	SignRank: A Novel Random Walking Based Ranking Algorithm in Signed Networks. <i>Wireless Communications and Mobile Computing</i> , 2019, 2019, 1-8.	1.2	5
63	Controlling Chiral Spin States of a Triangular Lattice Magnet by Cooling in a Magnetic Field. <i>Advanced Functional Materials</i> , 2019, 29, 1900947.	14.9	4
64	A graphene P-N junction induced by single-gate control of dielectric structures. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8796-8802.	5.5	6
65	Recent progress in ultrafast lasers based on 2D materials as a saturable absorber. <i>Applied Physics Reviews</i> , 2019, 6, .	11.3	143
66	Giant Negative Thermal Expansion in Antiferromagnetic CrAs -Based Compounds. <i>Physical Review Applied</i> , 2019, 12, .	3.8	9
67	A bismuthene-based multifunctional all-optical phase and intensity modulator enabled by photothermal effect. <i>Journal of Materials Chemistry C</i> , 2019, 7, 871-878.	5.5	67
68	An All-Optical, Actively Q-Switched Fiber Laser by an Antimonene-Based Optical Modulator. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800313.	8.7	122
69	Perseverance of direct bandgap in multilayer 2D Pbl ₂ under an experimental strain up to 7.69%. <i>2D Materials</i> , 2019, 6, 025014.	4.4	20
70	A ternary Sn _{1.26} Se _{0.76} alloy for flexible broadband photodetectors. <i>RSC Advances</i> , 2019, 9, 14352-14359.	3.6	7
71	High performance in electrochromic amorphous WO _x film with long-term stability and tunable switching times via Al/Li-ions intercalation/deintercalation. <i>Electrochimica Acta</i> , 2019, 318, 644-650.	5.2	43
72	Double Resonance Raman Scattering in Single-Layer MoSe ₂ under Moderate Pressure. <i>Chinese Physics Letters</i> , 2019, 36, 048201.	3.3	8

#	ARTICLE	IF	CITATIONS
73	MXene Ti ₃ C ₂ T _x : A Promising Photothermal Conversion Material and Application in All-Optical Modulation and All-Optical Information Loading. <i>Advanced Optical Materials</i> , 2019, 7, 1900060.	7.3	115
74	Phenology Dynamics of Dryland Ecosystems Along the North Australian Tropical Transect Revealed by Satellite Solar-Induced Chlorophyll Fluorescence. <i>Geophysical Research Letters</i> , 2019, 46, 5294-5302.	4.0	51
75	Fully-dense Mn ₃ Zn _{0.7} Ge _{0.3} N/Al composites with zero thermal expansion behavior around room temperature. <i>Materialia</i> , 2019, 6, 100289.	2.7	23
76	COMET: A Distributed Metadata Service for Federated Cloud Infrastructures. , 2019, , .		2
77	Sustainable Cloud Encoding for Adaptive Bitrate Streaming over CDNs. , 2019, , .		2
78	Training Classifiers to Identify TCP Signatures in Scientific Workflows. , 2019, , .		5
79	Toward a Dynamic Network-Centric Distributed Cloud Platform for Scientific Workflows: A Case Study for Adaptive Weather Sensing. , 2019, , .		15
80	COMET: Distributed Metadata Service for Multi-cloud Experiments. , 2019, , .		0
81	Controllable nearly zero thermal expansion behavior in Mn ₃ Zn _{1-x} CrxN (0 ≤ x ≤ 0.20) compounds. <i>Scripta Materialia</i> , 2019, 162, 108-111.	5.2	8
82	Topology-Oriented Virtual Network Embedding Approach for Data Centers. <i>IEEE Access</i> , 2019, 7, 2429-2438.	4.2	12
83	Energy Efficient Data Collection in Large-Scale Internet of Things via Computation Offloading. <i>IEEE Internet of Things Journal</i> , 2019, 6, 4176-4187.	8.7	30
84	Facile access to shape-controlled growth of WS ₂ monolayer via environment-friendly method. <i>2D Materials</i> , 2019, 6, 015007.	4.4	18
85	An Immunization Framework for Social Networks Through Big Data Based Influence Modeling. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2019, 16, 984-995.	5.4	32
86	Giant zero-field cooling exchange-bias-like behavior in antiperovskite Mn_3C_2	2.4	3
87	Giant zero-field cooling exchange-bias-like behavior in antiperovskite Mn_3G_2	3.2	20
88	Preparation and Photocatalytic Properties of a Hierarchical BiOCl/BiOF Composite Photocatalyst. <i>Catalysis Letters</i> , 2018, 148, 1281-1288.	2.6	22
89	Effects of Ni substitution on magnetism and thermal expansion of antiperovskite Mn ₃ Ga _{1-x} Ni _x N (0 ≤ x ≤ 1.0). <i>Ceramics International</i> , 2018, 44, 9574-9580.	4.8	6
90	Effects of polysaccharides from <i>Inonotus obliquus</i> and its chromium (III) complex on advanced glycation end-products formation, α -amylase, α -glucosidase activity and H ₂ O ₂ -induced oxidative damage in hepatic L02 cells. <i>Food and Chemical Toxicology</i> , 2018, 116, 335-345.	3.6	41

#	ARTICLE	IF	CITATIONS
91	Beam steering performance of compressed Luneburg lens based on transformation optics. Results in Physics, 2018, 9, 570-575.	4.1	20
92	The structure, magnetism and electronic transport properties of Mn ₃ Sn _{1-x} Zn _x C(x=0, 0.1, 0.2, 0.3, 0.4, 0.5). Journal of Alloys and Compounds, 2018, 739, 934-938.	5.5	5
93	Amorphous phase stability of NbTiAlSiN _x high-entropy films. Rare Metals, 2018, 37, 682-689.	7.1	37
94	Hypoglycemic and hypolipidemic effects of anthocyanins extract from black soybean seed coat in high fat diet and streptozotocin-induced diabetic mice. Food and Function, 2018, 9, 426-439.	4.6	104
95	Physicochemical characterisation and α -amylase inhibitory activity of tea polysaccharides under simulated salivary, gastric and intestinal conditions. International Journal of Food Science and Technology, 2018, 53, 423-429.	2.7	35
96	Effects of simulated gastrointestinal digestion in vitro on the chemical properties, antioxidant activity, α -amylase and α -glucosidase inhibitory activity of polysaccharides from Inonotus obliquus. Food Research International, 2018, 103, 280-288.	6.2	138
97	Phase separation and zero thermal expansion in antiperovskite Mn ₃ Zn _{0.77} Mn _{0.19} N _{0.94} : An in situ neutron diffraction investigation. Scripta Materialia, 2018, 146, 18-21.	5.2	4
98	Negative/zero thermal expansion in black phosphorus nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 28726-28731.	2.8	11
99	The Future of Multi-Clouds: A Survey of Essential Architectural Elements. , 2018, , .		8
100	High-Throughput Screening Solar-Thermal Conversion Films in a Pseudobinary (Cr, Fe, V) δ (Ta, W) System. ACS Combinatorial Science, 2018, 20, 602-610.	3.8	29
101	Energy-agile design for parallel HPC applications. Sustainable Computing: Informatics and Systems, 2018, 19, 123-134.	2.2	1
102	The influence of combination of the first-order and second-order phase transitions on magnetocaloric effects in Mn ₃ Cu _{1-x} Fe _x N. Solid State Communications, 2018, 282, 33-37.	1.9	3
103	Toward live inter-domain network services on the ExoGENI testbed. , 2018, , .		6
104	Unusual Electrical Transport Driven by the Competition between Antiferromagnetism and Ferromagnetism in Antiperovskite Mn ₃ Zn _{1-x} CoxN. Materials, 2018, 11, 286.	2.9	5
105	Local Joule Heating Mimicking Electroresistance-Like Behavior in Antiperovskite Mn ₃ GaC. Advanced Electronic Materials, 2018, 4, 1800028.	5.1	2
106	Preparation, characterization of polysaccharides fractions from Inonotus obliquus and their effects on α -amylase, α -glucosidase activity and H ₂ O ₂ -induced oxidative damage in hepatic L02 cells. Journal of Functional Foods, 2018, 48, 179-189.	3.4	26
107	Negative Thermal Expansion over a Wide Temperature Range in Fe-Doped MnNiGe Composites. Frontiers in Chemistry, 2018, 6, 15.	3.6	20
108	Virtual network embedding with pre-transformation and incentive convergence mechanism. Concurrency Computation Practice and Experience, 2017, 29, e3947.	2.2	6

#	ARTICLE	IF	CITATIONS
109	Physicochemical properties and antidiabetic effects of a polysaccharide from corn silk in high-fat diet and streptozotocin-induced diabetic mice. <i>Carbohydrate Polymers</i> , 2017, 164, 370-378.	10.2	114
110	Tunable thermal expansion in framework materials through redox intercalation. <i>Nature Communications</i> , 2017, 8, 14441.	12.8	95
111	Rectifying Characteristics and Semiconductorâ€“Metal Transition Induced by Interfacial Potential in the Mn ₃ CuN/n-Si Intermetallic Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12592-12600.	8.0	2
112	Optical simulation and preparation of novel Mo/ZrSiN/ZrSiON/SiO ₂ solar selective absorbing coating. <i>Solar Energy Materials and Solar Cells</i> , 2017, 167, 178-183.	6.2	59
113	Estimation of Surface Upward Longwave Radiation Using a Direct Physical Algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4412-4426.	6.3	27
114	High-performance and high-reliability SOT-6 packaged diplexer based on advanced IPD fabrication techniques. <i>Solid-State Electronics</i> , 2017, 134, 9-18.	1.4	10
115	Efficient visible-light photocatalysts by constructing dispersive energy band with anisotropic p and s-p hybridization states. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 6, 93-100.	5.9	28
116	Correlation between Uniaxial Negative Thermal Expansion and Negative Linear Compressibility in Ag ₃ [Co(CN) ₆]. <i>Journal of Physical Chemistry C</i> , 2017, 121, 333-341.	3.1	28
117	Intercalating copper into layered TaS ₂ van der Waals gaps. <i>RSC Advances</i> , 2017, 7, 46699-46703.	3.6	7
118	Tunable negative thermal expansion and structural evolution in antiperovskite Mn ₃ Ga ^{1-x} Ge _x N (0 ≤ x ≤ 1.0). <i>Journal of the American Ceramic Society</i> , 2017, 100, 5739-5745.	3.8	19
119	Large spin-orbit splitting in the conduction band of halogen (F, Cl, Br, and I) doped monolayer W ₂ S ₃ with spin-orbit coupling. <i>Physical Review B</i> , 2017, 96, .	3.2	38
120	Design and Analysis of QoE-Aware Quality Adaptation for DASH. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2017, 13, 1-24.	4.3	8
121	Uniaxial Negative Thermal Expansion, Negative Linear Compressibility, and Negative Poisson's Ratio Induced by Specific Topology in Zn[Au(CN) ₂] ₂ . <i>Inorganic Chemistry</i> , 2017, 56, 15101-15109.	4.0	25
122	The investigation of thermal stability of Al/NbMoN/NbMoON/SiO ₂ solar selective absorbing coating. <i>Solar Energy Materials and Solar Cells</i> , 2017, 171, 253-257.	6.2	52
123	Enhanced current rectification and self-powered photoresponse in multilayer p-MoTe ₂ /n-MoS ₂ van der Waals heterojunctions. <i>Nanoscale</i> , 2017, 9, 10733-10740.	5.6	75
124	Tuning of reflectance transition position of Al-AlN cermet solar selective absorbing coating by simulating. <i>Infrared Physics and Technology</i> , 2017, 80, 65-70.	2.9	11
125	Network Pharmacology Studies on the Bioactive Compounds and Action Mechanisms of Natural Products for the Treatment of Diabetes Mellitus: A Review. <i>Frontiers in Pharmacology</i> , 2017, 08, 74.	3.5	85
126	Preparation, Characterization and Application of Polysaccharide-Based Metallic Nanoparticles: A Review. <i>Polymers</i> , 2017, 9, 689.	4.5	110

#	ARTICLE	IF	CITATIONS
127	Analysis of Differences in Phenology Extracted from the Enhanced Vegetation Index and the Leaf Area Index. <i>Sensors</i> , 2017, 17, 1982.	3.8	41
128	High-Sensitivity and Low-Hysteresis Porous MIMType Capacitive Humidity Sensor Using Functional Polymer Mixed with TiO ₂ Microparticles. <i>Sensors</i> , 2017, 17, 0284.	3.8	63
129	Modelling of double air-bridged structured inductor implemented by a GaAs integrated passive device manufacturing process. <i>Semiconductor Science and Technology</i> , 2017, 32, 055002.	2.0	2
130	Nano-Crystallization of High-Entropy Amorphous NbTiAlSiWxNy Films Prepared by Magnetron Sputtering. <i>Entropy</i> , 2016, 18, 226.	2.2	70
131	Baromagnetic Effect in Antiperovskite Mn ₃ Ga _{0.95} N _{0.94} by Neutron Powder Diffraction Analysis. <i>Advanced Materials</i> , 2016, 28, 3761-3767.	21.0	59
132	SQUAD. , 2016, , .		48
133	Studies on CsxWO ₃ /BiOCl composite as a novel visible light droven photocatalyst. <i>Journal of Materiomics</i> , 2016, 2, 338-343.	5.7	19
134	Near-zero temperature coefficient of resistivity associated with magnetic ordering in antiperovskite Mn _{3+x} Ni _{1-x} N. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	18
135	Communities Detection Algorithm Based on General Stochastic Block Model in Mobile Social Networks. , 2016, , .		2
136	Competition between ferromagnetic and antiferromagnetic interactions by Cr doping at Mn sites in antiperovskite Mn _{3-x} Cr _x ZnN (0 ≤ x ≤ 0.5) compounds. <i>Physica B: Condensed Matter</i> , 2016, 488, 19-23.	2.7	3
137	Effects of Cr-doping on the electronic transport properties in antiperovskite nitrides Mn _{3-x} Cr _x ZnN (0 ≤ x ≤ 0.5). <i>Physica B: Condensed Matter</i> , 2016, 491, 59-64.	2.7	1
138	Photocatalytic degradation of antiepileptic drug carbamazepine with bismuth oxychlorides (BiOCl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 328, 105-113.	3.9	42
139	Genome sequence of <i>Candida versatilis</i> and comparative analysis with other yeast. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1131-1138.	3.0	8
140	Gate-tunable diode-like current rectification and ambipolar transport in multilayer van der Waals ReSe ₂ /WS ₂ p-n heterojunctions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27750-27753.	2.8	30
141	Molecular beam epitaxy growth and optical properties of single crystal Zn ₃ N ₂ films. <i>Semiconductor Science and Technology</i> , 2016, 31, 10LT01.	2.0	14
142	Ball milling improves extractability and antioxidant properties of the active constituents of mushroom <i>Inonotus obliquus</i> powders. <i>International Journal of Food Science and Technology</i> , 2016, 51, 2193-2200.	2.7	18
143	Investigation on low thermal emittance of Al films deposited by magnetron sputtering. <i>Infrared Physics and Technology</i> , 2016, 75, 133-138.	2.9	9
144	Self-Driven Photodetector and Ambipolar Transistor in Atomically Thin GaTe-MoS ₂ p-n vdW Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2533-2539.	8.0	160

#	ARTICLE	IF	CITATIONS
145	Effects of substrates, film thickness and temperature on thermal emittance of Mo/substrate deposited by magnetron sputtering. Vacuum, 2016, 128, 73-79.	3.5	24
146	Synthesis of atomically thin GaSe wrinkles for strain sensors. Frontiers of Physics, 2016, 11, 1.	5.0	15
147	Large negative thermal expansion provided by metal-organic framework MOF-5: A first-principles study. Materials Chemistry and Physics, 2016, 175, 138-145.	4.0	28
148	Enhancing light emission efficiency without color change in post-transition metal chalcogenides. Nanoscale, 2016, 8, 5820-5825.	5.6	13
149	Effect of Cu doping on structural and magnetic properties of antiperovskite Mn ₃ Ni(Cu)N thin films. Journal of Alloys and Compounds, 2015, 647, 35-40.	5.5	4
150	First-Principles Study of Sc _{1-x} Ti _x F ₃ (0.375): Negative Thermal Expansion, Phase Transition, and Compressibility. Journal of the American Ceramic Society, 2015, 98, 2852-2857.	3.8	16
151	A Novel Method for Virtual Network Embedding with Incentive Convergence Mechanism. , 2015, , .		2
152	Fabrication-resolution enhancement method based on low-energy multiple exposures. Optics Express, 2015, 23, 29353.	3.4	3
153	Optimizing parallel HPC applications for green energy sources. , 2015, , .		0
154	Investigation of Fe ₄ N thin films deposited on Si(1 0 0) and GaAs(1 0 0) substrates by facing target magnetron sputtering. Journal of Crystal Growth, 2015, 426, 117-122.	1.5	7
155	The evolution of magnetic transitions, negative thermal expansion and unusual electronic transport properties in Mn ₃ Ag _x MnyN. Solid State Communications, 2015, 222, 37-41.	1.9	10
156	A load balancing approach for adaptive bitrate streaming in Information Centric networks. , 2015, , .		4
157	Optical simulation and experimental optimization of Al/NbMoN/NbMoON/SiO ₂ solar selective absorbing coatings. Solar Energy Materials and Solar Cells, 2015, 134, 373-380.	6.2	42
158	VHub: Single-stage virtual network mapping through hub location. Computer Networks, 2015, 77, 169-180.	5.1	21
159	Tuning the Optical, Magnetic, and Electrical Properties of ReSe ₂ by Nanoscale Strain Engineering. Nano Letters, 2015, 15, 1660-1666.	9.1	363
160	A colorimetric assay of dopamine utilizing melamine modified gold nanoparticle probes. Analytical Methods, 2015, 7, 838-841.	2.7	26
161	Invar-like Behavior of Antiperovskite Mn ₃ Ni _{1-x} N Compounds. Chemistry of Materials, 2015, 27, 2495-2501.	6.7	77
162	The magnetism and electronic transport properties of Mn ₃ Sn ₁ Si C. Journal of Magnetism and Magnetic Materials, 2015, 391, 22-25.	2.3	2

#	ARTICLE	IF	CITATIONS
163	Study on the thermal stability of Al/NbTiSiN/NbTiSiON/SiO ₂ solar selective absorbing coating. Solar Energy, 2015, 119, 18-28.	6.1	26
164	Doping Effect of Co at Ag Sites in Antiperovskite Mn ₃ AgN Compounds. Chinese Physics Letters, 2015, 32, 047501.	3.3	4
165	Structural and magnetic properties of antiperovskite Mn ₃ Ni _x thin films. Materials Letters, 2015, 152, 213-216.	2.6	1
166	Metal fluorides, a new family of negative thermal expansion materials. Journal of Materiomics, 2015, 1, 106-112.	5.7	14
167	Spin-glass-like behavior and negative thermal expansion in antiperovskite Mn ₃ Ni _{1-x} Cu _x N compounds. Journal of Applied Physics, 2015, 117, 213915.	2.5	21
168	Frustrated Triangular Magnetic Structures of Mn ₃ ZnN: Applications in Thermal Expansion. Journal of Physical Chemistry C, 2015, 119, 24983-24990.	3.1	23
169	Nitrogen-Induced Change of Magnetic Properties in Antiperovskite-Type Carbide: Mn ₃ InC. Chinese Physics Letters, 2015, 32, 067503.	3.3	4
170	Suppression of interface roughness between BaTiO ₃ film and substrate by Si ₃ N ₄ buffer layer regarding aerosol deposition process. Journal of Alloys and Compounds, 2015, 653, 69-76.	5.5	4
171	Effects of doping concentration ratio on electrical characterization in pseudomorphic HEMT-based MMIC switches for ICT system. Solid-State Electronics, 2015, 114, 121-130.	1.4	2
172	Preparation and photocatalytic properties of BiOCl/Bi ₂ MoO ₆ composite photocatalyst. Materials Letters, 2015, 139, 149-152.	2.6	46
173	Unusual magnetic hysteresis and the weakened transition behavior induced by Sn substitution in Mn ₃ SbN. Journal of Applied Physics, 2014, 115, 043509.	2.5	10
174	Controllable growth of BiOCl film with high percentage of exposed {001} facets. Applied Surface Science, 2014, 289, 266-273.	6.1	39
175	Large improvement of visible-light-driven photocatalytic property in AgCl nanoparticles modified black BiOCl microsphere. Materials Letters, 2014, 127, 28-31.	2.6	27
176	A new solar spectral selective absorbing coating of SS ^{Al} (Fe ₃ O ₄)/Mo/TiZrN/TiZrON/SiON for high temperature application. Solar Energy Materials and Solar Cells, 2014, 127, 143-146.	6.2	45
177	<i>T. orulopsis versatilis</i> strains with increased salt tolerance carry mutations in the glycerol transporter gene <i>FPS1</i> . International Journal of Food Science and Technology, 2014, 49, 673-678.	2.7	1
178	Preparation and spectral properties of solar selective absorbing MoSi ₂ -Al ₂ O ₃ coating. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1519-1524.	1.8	14
179	Relationship between Spin Ordering, Entropy, and Anomalous Lattice Variation in Mn ₃ Sn _{1-μ} Si _μ C _{1-ν} Compounds. Inorganic Chemistry, 2014, 53, 2317-2324.	4.0	20
180	Phase transitions and magnetocaloric effect in Mn ₃ Cu _{0.89} N _{0.96} . Acta Materialia, 2014, 74, 58-65.	7.9	46

#	ARTICLE	IF	CITATIONS
181	Effects of the LMVF and HMVF absorption layer thickness and metal volume fraction on optical properties of the MoSi ₂ /Al ₂ O ₃ solar selective absorbing coating. <i>Vacuum</i> , 2014, 104, 116-121.	3.5	15
182	Visible Light Photocatalytic Properties and Thermo-chromic Phenomena of Nanostructured BiOCl Microspheres. <i>Journal of Materials Science and Technology</i> , 2014, 30, 1130-1133.	10.7	14
183	Study of structure of Mn ₃ Cu _{0.5} Ge _{0.5} N/Cu composite with nearly zero thermal expansion behavior around room temperature. <i>Scripta Materialia</i> , 2014, 84-85, 19-22.	5.2	39
184	Lease Data Center in the Light of Network Resources: An Economic Model. , 2014, , .		19
185	Research on Salt-tolerant Gene GPD1 in <i>Zygosaccharomyces rouxii</i> . <i>Lecture Notes in Electrical Engineering</i> , 2014, , 1157-1163.	0.4	1
186	The Unusual Resistivity Behavior and Correlated Magnetic Properties of Antiperovskite Mn ₃ Ag _{1-x} M _x N (<i>M</i> = Sn, Zn) Compounds. <i>Science of Advanced Materials</i> , 2014, 6, 1394-1398.	0.7	3
187	Effect of Gene FPS1 on Accumulation of Glycerol in <i>Zygosaccharomyces rouxii</i> . <i>Lecture Notes in Electrical Engineering</i> , 2014, , 251-257.	0.4	0
188	On the Feasibility of DASH Streaming in the Cloud. , 2014, , .		1
189	Analysis of Salt-Tolerance Genes in <i>Zygosaccharomyces rouxii</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1417-1425.	2.9	15
190	Comparative analysis of salt-tolerant gene <i>HOG1</i> in a <i>Zygosaccharomyces rouxii</i> mutant strain and its parent strain. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 2765-2770.	3.5	10
191	Improvement of thermal stability in the solar selective absorbing Mo/Al ₂ O ₃ coating. <i>Solar Energy Materials and Solar Cells</i> , 2013, 109, 204-208.	6.2	63
192	The impact of thermal annealing on the morphology of sputter deposited platinum clusters into anodic aluminum oxide pores. <i>Applied Surface Science</i> , 2013, 266, 400-404.	6.1	6
193	Spectral properties and thermal stability of solar selective absorbing AlNi/Al ₂ O ₃ cermet coating. <i>Solar Energy</i> , 2013, 96, 113-118.	6.1	58
194	Performance of DASH and WebRTC Video Services for Mobile Users. , 2013, , .		25
195	The effect of Zn vacancies on the physical properties of antiperovskite compounds Mn ₃ Zn _x N. <i>Scripta Materialia</i> , 2013, 68, 968-971.	5.2	4
196	GENI WiMAX Performance: Evaluation and Comparison of Two Campus Testbeds. , 2013, , .		7
197	Construction of ploidy series of <i>Saccharomyces cerevisiae</i> by the plasmid YCplac33-GHK. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 393-397.	3.0	5
198	Carbon-Induced Ferromagnetism in the Antiferromagnetic Metallic Host Material Mn ₃ ZnN. <i>Inorganic Chemistry</i> , 2013, 52, 800-806.	4.0	19

#	ARTICLE	IF	CITATIONS
199	The Spectral Properties and Thermal Stability of AlCr-AlCrON Solar Selective Absorber Coating. Applied Mechanics and Materials, 2013, 423-426, 419-425.	0.2	0
200	Surface activity of antiperovskite manganese nitrides. Journal of Materials Research, 2013, 28, 3245-3251.	2.6	2
201	Magnetic structure and lattice contraction in Mn ₃ NiN. Journal of Applied Physics, 2013, 114, .	2.5	32
202	Lattice and Magnetic and Electronic Transport Properties in Antiperovskite Compounds. Advances in Condensed Matter Physics, 2013, 2013, 1-2.	1.1	2
203	Thermodynamic, Electromagnetic, and Lattice Properties of Antiperovskite Mn ₃ SbN. Advances in Condensed Matter Physics, 2013, 2013, 1-5.	1.1	3
204	Virtual network mapping with traffic matrices. , 2012, , .		14
205	Preparation and Photocatalytic Activity of ZnO/Fe ₂ O ₃ Nanorod Arrays and ZnO/NiO Nanotube Arrays. Chinese Physics Letters, 2012, 29, 037201.	3.3	6
206	Pressure Effects on the Magnetic Phase Transition of Mn ₃ SnC _{1-x} N _x (x = 0, 0.5). Chinese Physics Letters, 2012, 29, 086201.	3.3	3
207	QoS featured wireless virtualization based on 802.11 hardware. , 2012, , . Tuning the range, magnitude, and sign of the thermal expansion in intermetallic Mn		0
208	Neutron Diffraction Study of Unusual Phase Separation in the Antiperovskite Nitride Mn ₃ ZnN. Inorganic Chemistry, 2012, 51, 7232-7236.	3.2	145
209	Magnetic transition, lattice variation and electronic transport properties of Ag-doped Mn ₃ Ni _{1-x} Ag _x N antiperovskite compounds. Scripta Materialia, 2012, 67, 173-176.	4.0	62
210	The spectral properties and thermal stability of NbTiON solar selective absorbing coating. Solar Energy Materials and Solar Cells, 2012, 96, 131-136.	5.2	28
211	Ni-doping effect on the magnetic transition and correlated lattice contraction in antiperovskite Mn ₃ ZnN compounds. Solid State Communications, 2012, 152, 446-449.	6.2	76
212	Virtual Network Mapping with Traffic Matrices. , 2011, , .	1.9	9
213	Growth of Intricate ZnO Nanorod Networks on Fe ₂ O ₃ -Coated Si Substrate: Growth Mechanism and Optical Properties. Journal of the American Ceramic Society, 2011, 94, 1992-1994.		12
214	Preparation and near zero thermal expansion property of Mn ₃ Cu _{0.5} A _{0.5} N (A=Ni, Sn)/Cu composites. Scripta Materialia, 2011, 65, 687-690.	3.8	1
215	Structure and properties of ternary manganese nitride Mn ₃ CuN _y thin films fabricated by facing target magnetron sputtering. Materials Research Bulletin, 2011, 46, 1022-1027.	5.2	59
216		5.2	15

#	ARTICLE	IF	CITATIONS
217	BiOCl nano/microstructures on substrates: Synthesis and photocatalytic properties. <i>Materials Letters</i> , 2011, 65, 1344-1347.	2.6	64
218	Fabrication and photocatalytic property of ZnO nanorod arrays on Cu ₂ O thin film. <i>Materials Letters</i> , 2011, 65, 2284-2286.	2.6	26
219	Magnetic and electronic transport properties of antiperovskite Mn ₃ Cu(Ge)N thin films. <i>Materials Letters</i> , 2011, 65, 2401-2403.	2.6	2
220	Preparation and properties of antiperovskite Mn ₃ NiN thin film. <i>Materials Letters</i> , 2011, 65, 3447-3449.	2.6	11
221	Enhanced anomalous diffusion of sputtered atoms in nanosized pores. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2112-2116.	2.6	6
222	Magnetic phase transitions of antiperovskite Mn ₃ ~ ^x FexSn~ ^{1.3} (0.5~ ^x ~ ^{1.3}). <i>Solid State Communications</i> , 2011, 151, 377-381.	1.9	11
223	Near zero temperature coefficient of resistivity in antiperovskite Mn ₃ Ni1~ ^x CuxN. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	81
224	Lotus-root-like NiO nanosheets and flower-like NiO microspheres: synthesis and magnetic properties. <i>CrystEngComm</i> , 2011, 13, 4930.	2.6	69
225	Investigation of antiperovskite Mn ₃ CuNx film prepared by DC reactive magnetron sputtering. <i>Materials Research Bulletin</i> , 2010, 45, 1230-1233.	5.2	18
226	Synthesis and photocatalytic properties of BiOCl nanowire arrays. <i>Materials Letters</i> , 2010, 64, 115-118.	2.6	157
227	Low temperature coefficient of resistivity induced by magnetic transition and lattice contraction in Mn ₃ NiN compound. <i>Scripta Materialia</i> , 2010, 62, 686-689.	5.2	77
228	Forced volume magnetostriction in Mn _{3.3} Sn _{0.7} C compound at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3106-3108.	2.3	14
229	Negative Thermal Expansion and Correlated Magnetic and Electrical Properties of Si~ ^D -Doped Mn ₃ GaN Compounds. <i>Journal of the American Ceramic Society</i> , 2010, 93, 650-653.	3.8	55
230	Negative Thermal Expansion and Magnetic Transition in Anti~ ^P -Perovskite Structured Mn ₃ Zn _{1~^x} Sn _x N Compounds. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2178-2181.	3.8	51
231	Influence of carbon content on the lattice variation, magnetic and electronic transport properties in Mn ₃ SnCx. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	30
232	Lattice, magnetic and electronic transport behaviors of Ge-doped Mn ₃ XC (X=Al, Zn, Ga). <i>Journal of Alloys and Compounds</i> , 2010, 489, 289-292.	5.5	28
233	Investigation of Lattice Contraction in Mn ₃ XN(X=Zn, Cu, Sn). <i>Materials Science Forum</i> , 2010, 638-642, 2195-2200.	0.3	6
234	Lattice, magnetic and transport properties in antiperovskite compounds. <i>Solid State Communications</i> , 2009, 149, 1519-1522.	1.9	18

#	ARTICLE	IF	CITATIONS
235	Quasi-horizontal GaN nanowire array network grown by sublimation sandwich technique. Applied Surface Science, 2008, 254, 6637-6641.	6.1	7
236	Magnetically tunable spin-polarization of the current through a double quantum dot device. Solid State Communications, 2008, 148, 69-73.	1.9	1
237	Photocatalytic properties of BiOX (X = Cl, Br, and I). Rare Metals, 2008, 27, 243-250.	7.1	297
238	A new all-thin-film electrochromic device using LiBSO as the ion conducting layer. Journal Physics D: Applied Physics, 2008, 41, 115301.	2.8	14
239	Lattice contraction and magnetic and electronic transport properties of Mn ₃ Zn _{1-x} GexN. Applied Physics Letters, 2007, 91, .	3.3	131
240	Quantum supercurrent in a quantum dot Aharonov-Bohm interferometer. Solid State Communications, 2007, 144, 37-41.	1.9	6
241	GaN nanorings: Another example of spontaneous polarization-induced nanostructure. Journal of Crystal Growth, 2007, 303, 427-432.	1.5	22
242	Microstructure and Optical Characterization of Magnetron Sputtered NbN Thin Films. Chinese Journal of Aeronautics, 2007, 20, 140-144.	5.3	21
243	Preparation and optical properties of Nb-NbN multilayer films as solar selective absorptive coatings. Rare Metals, 2006, 25, 355-359.	7.1	7
244	Passive temperature compensation package for fiber Bragg grating. , 2006, , .		1
245	GaN single crystals grown under moderate nitrogen pressure by a new flux: Ca ₃ N ₂ . Journal of Crystal Growth, 2006, 291, 72-76.	1.5	17
246	Necktie-like ZnO nanobelts grown by a self-catalytic VLS process. Materials Letters, 2006, 60, 3809-3812.	2.6	12
247	Effects of heat treatment on properties of ITO films prepared by rf magnetron sputtering. Vacuum, 2004, 75, 183-188.	3.5	221
248	Effect of intense pulsed ion beams irradiation on the oxidation behavior of γ -TiAl ₃ -based superalloy. Nuclear Instruments & Methods in Physics Research B, 2002, 197, 83-93.	1.4	7
249	Investigation of the photoreactivity of nanocrystalline TiO ₂ thin film by ion-implantation technique. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 14, 242-248.	2.7	21
250	Fully Dense Mn ₃ Zn _{0.7} Ge _{0.3} N/Al Composites with Zero Thermal Expansion Behavior Around Room Temperature. SSRN Electronic Journal, 0, , .	0.4	0