

Cong Wang

List of Publications by Year in descending order

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251
all docs

251
docs citations

251
times ranked

8750
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Optical, Magnetic, and Electrical Properties of ReSe ₂ by Nanoscale Strain Engineering. Nano Letters, 2015, 15, 1660-1666.	9.1	363
2	Photocatalytic properties of BiOX (X = Cl, Br, and I). Rare Metals, 2008, 27, 243-250.	7.1	297
3	Ultrafast fiber lasers mode-locked by two-dimensional materials: review and prospect. Photonics Research, 2020, 8, 78.	7.0	242
4	Effects of heat treatment on properties of ITO films prepared by rf magnetron sputtering. Vacuum, 2004, 75, 183-188.	3.5	221
5	2D Material Optoelectronics for Information Functional Device Applications: Status and Challenges. Advanced Science, 2020, 7, 2000058.	11.2	215
6	Self-Driven Photodetector and Ambipolar Transistor in Atomically Thin GaTe-MoS ₂ vdW Heterostructure. ACS Applied Materials & Interfaces, 2016, 8, 2533-2539.	8.0	160
7	Synthesis and photocatalytic properties of BiOCl nanowire arrays. Materials Letters, 2010, 64, 115-118.	2.6	157
8	Tuning the range, magnitude, and sign of the thermal expansion in intermetallic Mn ₃ (Zn, Tj)ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td	3.2	145
9	Recent progress in ultrafast lasers based on 2D materials as a saturable absorber. Applied Physics Reviews, 2019, 6, .	11.3	143
10	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
11	Lattice contraction and magnetic and electronic transport properties of Mn ₃ Zn _{1-x} GexN. Applied Physics Letters, 2007, 91, .	3.3	131
12	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. Food Chemistry, 2019, 271, 266-273.	8.2	128
13	An All-Optical, Actively Q-Switched Fiber Laser by an Antimonene-Based Optical Modulator. Laser and Photonics Reviews, 2019, 13, 1800313.	8.7	122
14	MXenes: Synthesis, Optical Properties, and Applications in Ultrafast Photonics. Small, 2021, 17, e2006054.	10.0	119
15	MXene Ti ₃ C ₂ T _x : A Promising Photothermal Conversion Material and Application in All-Optical Modulation and All-Optical Information Loading. Advanced Optical Materials, 2019, 7, 1900060.	7.3	115
16	Physicochemical properties and antidiabetic effects of a polysaccharide from corn silk in high-fat diet and streptozotocin-induced diabetic mice. Carbohydrate Polymers, 2017, 164, 370-378.	10.2	114
17	Preparation, Characterization and Application of Polysaccharide-Based Metallic Nanoparticles: A Review. Polymers, 2017, 9, 689.	4.5	110
18	Mid-Infrared Photonics Using 2D Materials: Status and Challenges. Laser and Photonics Reviews, 2020, 14, 1900098.	8.7	106

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19	Hypoglycemic and hypolipidemic effects of anthocyanins extract from black soybean seed coat in high fat diet and streptozotocin-induced diabetic mice. <i>Food and Function</i> , 2018, 9, 426-439.	4.6	104
20	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
21	Tunable thermal expansion in framework materials through redox intercalation. <i>Nature Communications</i> , 2017, 8, 14441.	12.8	95
22	Recent Advances in Semiconducting Monoelemental Selenium Nanostructures for Device Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2003301.	14.9	93
23	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
24	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
25	Two-Dimensional Black Phosphorus Nanomaterials: Emerging Advances in Electrochemical Energy Storage Science. <i>Nano-Micro Letters</i> , 2020, 12, 179.	27.0	82
26	Near zero temperature coefficient of resistivity in antiperovskite $Mn_3Ni_{1-x}Cu_xN$. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	81
27	Low temperature coefficient of resistivity induced by magnetic transition and lattice contraction in Mn_3NiN compound. <i>Scripta Materialia</i> , 2010, 62, 686-689.	5.2	77
28	Invar-like Behavior of Antiperovskite $Mn_{3+x}Ni_{1-x}N$ Compounds. <i>Chemistry of Materials</i> , 2015, 27, 2495-2501.	6.7	77
29	The spectral properties and thermal stability of NbTiON solar selective absorbing coating. <i>Solar Energy Materials and Solar Cells</i> , 2012, 96, 131-136.	6.2	76
30	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
31	Two-dimensional nanomaterial-based plasmonic sensing applications: Advances and challenges. <i>Coordination Chemistry Reviews</i> , 2020, 410, 213218.	18.8	74
32	Nano-Crystallization of High-Entropy Amorphous NbTiAlSiW _x Ny Films Prepared by Magnetron Sputtering. <i>Entropy</i> , 2016, 18, 226.	2.2	70
33	Lotus-root-like NiO nanosheets and flower-like NiO microspheres: synthesis and magnetic properties. <i>CrystEngComm</i> , 2011, 13, 4930.	2.6	69
34	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
35	BiOCl nano/microstructures on substrates: Synthesis and photocatalytic properties. <i>Materials Letters</i> , 2011, 65, 1344-1347.	2.6	64
36	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

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37	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
38	Neutron Diffraction Study of Unusual Phase Separation in the Antiperovskite Nitride Mn ₃ ZnN. <i>Inorganic Chemistry</i> , 2012, 51, 7232-7236.	4.0	62
39	Preparation and near zero thermal expansion property of Mn ₃ Cu _{0.5} A _{0.5} N (A=Ni, Sn)/Cu composites. <i>Scripta Materialia</i> , 2011, 65, 687-690.	5.2	59
40	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
41	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
42	Spectral properties and thermal stability of solar selective absorbing AlN ϵ -Al ₂ O ₃ cermet coating. <i>Solar Energy</i> , 2013, 96, 113-118.	6.1	58
43	Nonlinear Photonics Using Low-Dimensional Metal-Halide Perovskites: Recent Advances and Future Challenges. <i>Advanced Materials</i> , 2021, 33, e2004446.	21.0	58
44	Negative Thermal Expansion and Correlated Magnetic and Electrical Properties of Si-Doped Mn ₃ GaN Compounds. <i>Journal of the American Ceramic Society</i> , 2010, 93, 650-653.	3.8	55
45	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
46	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
47	Negative Thermal Expansion and Magnetic Transition in Anti-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
48	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
49	SQUAD. , 2016, , .		48
50	Phase transitions and magnetocaloric effect in Mn ₃ Cu _{0.89} N _{0.96} . <i>Acta Materialia</i> , 2014, 74, 58-65.	7.9	46
51	Preparation and photocatalytic properties of BiOCl/Bi ₂ MoO ₆ composite photocatalyst. <i>Materials Letters</i> , 2015, 139, 149-152.	2.6	46
52	A new solar spectral selective absorbing coating of SS ϵ -(Fe ₃ O ₄)/Mo/TiZrN/TiZrON/SiON for high temperature application. <i>Solar Energy Materials and Solar Cells</i> , 2014, 127, 143-146.	6.2	45
53	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
54	Optical simulation and experimental optimization of Al/NbMoN/NbMoON/SiO ₂ solar selective absorbing coatings. <i>Solar Energy Materials and Solar Cells</i> , 2015, 134, 373-380.	6.2	42

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55	Photocatalytic degradation of antiepileptic drug carbamazepine with bismuth oxychlorides (BiOCl) Tj ETQq1 1 0.784314 rgBT /Overlook Journal of Photochemistry and Photobiology A: Chemistry, 2016, 328, 105-113.	3.9	42
56	Analysis of Differences in Phenology Extracted from the Enhanced Vegetation Index and the Leaf Area Index. Sensors, 2017, 17, 1982.	3.8	41
57	Effects of polysaccharides from Inonotus obliquus 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. Food and Chemical Toxicology, 2018, 116, 335-345.	3.6	41
58	MXene (Ti ₂ N ₂ T _x): Synthesis, characteristics and application as a thermo-optical switcher for all-optical wavelength tuning laser. Science China Materials, 2021, 64, 259-265.	6.3	40
59	Controllable growth of BiOCl film with high percentage of exposed {001} facets. Applied Surface Science, 2014, 289, 266-273.	6.1	39
60	Study of structure of Mn ₃ Cu _{0.5} Ge _{0.5} N/Cu composite with nearly zero thermal expansion behavior around room temperature. Scripta Materialia, 2014, 84-85, 19-22.	5.2	39
61	All-Optical Control of Microfiber Knot Resonator Based on 2D Ti ₂ CT _x MXene. Advanced Optical Materials, 2020, 8, 1900977.	7.3	39
62	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. Physical Review B, 2017, 96, .	3.2	38
63	Amorphous phase stability of NbTiAlSiN _x high-entropy films. Rare Metals, 2018, 37, 682-689.	7.1	37
64	Emerging of two-dimensional materials in novel memristor. Frontiers of Physics, 2022, 17, 1.	5.0	37
65	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
66	Peptidomic Investigation of the Interplay between Enzymatic Tenderization and the Digestibility of Beef Semimembranosus Proteins. Journal of Agricultural and Food Chemistry, 2020, 68, 1136-1146.	5.2	35
67	Magnetic structure and lattice contraction in Mn ₃ NiN. Journal of Applied Physics, 2013, 114, .	2.5	32
68	An Immunization Framework for Social Networks Through Big Data Based Influence Modeling. IEEE Transactions on Dependable and Secure Computing, 2019, 16, 984-995.	5.4	32
69	Influence of carbon content on the lattice variation, magnetic and electronic transport properties in Mn ₃ SnC _x . Applied Physics Letters, 2010, 96, .	3.3	30
70	Gate-tunable diode-like current rectification and ambipolar transport in multilayer van der Waals ReSe ₂ /WS ₂ p-n heterojunctions. Physical Chemistry Chemical Physics, 2016, 18, 27750-27753.	2.8	30
71	Energy Efficient Data Collection in Large-Scale Internet of Things via Computation Offloading. IEEE Internet of Things Journal, 2019, 6, 4176-4187.	8.7	30
72	High-Throughput Screening Solar-Thermal Conversion Films in a Pseudobinary (Cr, Fe, V)-Ta ₂ W System. ACS Combinatorial Science, 2018, 20, 602-610.	3.8	29

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73	Lattice, magnetic and electronic transport behaviors of Ge-doped Mn ₃ XC (X=Al, Zn, Ga). Journal of Alloys and Compounds, 2010, 489, 289-292.	5.5	28
74	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.	5.2	28
75	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
76	Efficient visible-light photocatalysts by constructing dispersive energy band with anisotropic p and s-p hybridization states. Current Opinion in Green and Sustainable Chemistry, 2017, 6, 93-100.	5.9	28
77	Correlation between Uniaxial Negative Thermal Expansion and Negative Linear Compressibility in Ag ₃ [Co(CN) ₆]. Journal of Physical Chemistry C, 2017, 121, 333-341.	3.1	28
78	Large improvement of visible-light-driven photocatalytic property in AgCl nanoparticles modified black BiOCl microsphere. Materials Letters, 2014, 127, 28-31.	2.6	27
79	Estimation of Surface Upward Longwave Radiation Using a Direct Physical Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4412-4426.	6.3	27
80	Fabrication and photocatalytic property of ZnO nanorod arrays on Cu ₂ O thin film. Materials Letters, 2011, 65, 2284-2286.	2.6	26
81	A colorimetric assay of dopamine utilizing melamine modified gold nanoparticle probes. Analytical Methods, 2015, 7, 838-841.	2.7	26
82	Study on the thermal stability of Al/NbTiSiN/NbTiSiON/SiO ₂ solar selective absorbing coating. Solar Energy, 2015, 119, 18-28.	6.1	26
83	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
84	A Q-learning-based approach for virtual network embedding in data center. Neural Computing and Applications, 2020, 32, 1995-2004.	5.6	26
85	Recent progress in all-inorganic metal halide nanostructured perovskites: Materials design, optical properties, and application. Frontiers of Physics, 2021, 16, 1.	5.0	26
86	Performance of DASH and WebRTC Video Services for Mobile Users. , 2013, , .		25
87	Uniaxial Negative Thermal Expansion, Negative Linear Compressibility, and Negative Poisson's Ratio Induced by Specific Topology in Zn[Au(CN) ₂] ₂ . Inorganic Chemistry, 2017, 56, 15101-15109.	4.0	25
88	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
89	Frustrated Triangular Magnetic Structures of Mn ₃ ZnN: Applications in Thermal Expansion. Journal of Physical Chemistry C, 2015, 119, 24983-24990.	3.1	23
90	Fully-dense Mn ₃ Zn _{0.7} Ge _{0.3} N /Al composites with zero thermal expansion behavior around room temperature. Materialia, 2019, 6, 100289.	2.7	23

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91	GaN nanorings: Another example of spontaneous polarization-induced nanostructure. Journal of Crystal Growth, 2007, 303, 427-432.	1.5	22
92	Preparation and Photocatalytic Properties of a Hierarchical BiOCl/BiOF Composite Photocatalyst. Catalysis Letters, 2018, 148, 1281-1288.	2.6	22
93	Investigation of the photoreactivity of nanocrystalline TiO2 thin film by ion-implantation technique. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 14, 242-248.	2.7	21
94	Microstructure and Optical Characterization of Magnetron Sputtered NbN Thin Films. Chinese Journal of Aeronautics, 2007, 20, 140-144.	5.3	21
95	VHub: Single-stage virtual network mapping through hub location. Computer Networks, 2015, 77, 169-180.	5.1	21
96	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
97	Strain-Induced Band-Gap Tuning of 2D SnSSe Flakes for Application in Flexible Sensors. Advanced Materials Technologies, 2020, 5, 1900853.	5.8	21
98	Latest advance on seamless metal-semiconductor contact with ultralow Schottky barrier in 2D-material-based devices. Nano Today, 2022, 42, 101372.	11.9	21
99	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
100	Investigation of the spin-lattice coupling in Mn ₃ Sn _{1-μ} Si _μ C _{1-ν} compounds. Inorganic Chemistry, 2014, 53, 2317-2324.	3.2	20
101	Beam steering performance of compressed Luneburg lens based on transformation optics. Results in Physics, 2018, 9, 570-575.	4.1	20
102	Negative Thermal Expansion over a Wide Temperature Range in Fe-Doped MnNiGe Composites. Frontiers in Chemistry, 2018, 6, 15.	3.6	20
103	Perseverance of direct bandgap in multilayer 2D Pb _{1-x} Sn _x under an experimental strain up to 7.69%. 2D Materials, 2019, 6, 025014.	4.4	20
104	Carbon-Induced Ferromagnetism in the Antiferromagnetic Metallic Host Material Mn ₃ ZnN. Inorganic Chemistry, 2013, 52, 800-806.	4.0	19
105	Lease Data Center in the Light of Network Resources: An Economic Model. , 2014, , .		19
106	Studies on CsxWO3/BiOCl composite as a novel visible light droven photocatalyst. Journal of Materiomics, 2016, 2, 338-343.	5.7	19
107	Tunable negative thermal expansion and structural evolution in antiperovskite Mn ₃ Ga _{1-x} Ge _x N (0 ≤ x ≤ 1.0). Journal of the American Ceramic Society, 2017, 100, 5739-5745.	3.8	19
108	Lattice, magnetic and transport properties in antiperovskite compounds. Solid State Communications, 2009, 149, 1519-1522.	1.9	18

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109	Investigation of antiperovskite Mn ₃ CuN _x film prepared by DC reactive magnetron sputtering. Materials Research Bulletin, 2010, 45, 1230-1233.	5.2	18
110	Near-zero temperature coefficient of resistivity associated with magnetic ordering in antiperovskite Mn _{3+x} Ni _{1-x} N. Applied Physics Letters, 2016, 108, .	3.3	18
111	Ball milling improves extractability and antioxidant properties of the active constituents of mushroom <i>Inonotus obliquus</i> powders. International Journal of Food Science and Technology, 2016, 51, 2193-2200.	2.7	18
112	Facile access to shape-controlled growth of WS ₂ monolayer via environment-friendly method. 2D Materials, 2019, 6, 015007.	4.4	18
113	Design of negative/nearly zero thermal expansion behavior over a wide temperature range by multi-phase composite. Materials and Design, 2021, 203, 109591.	7.0	18
114	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
115	First-Principles Study of Sc _{1-x} Ti _x F ₃ (x=0.375): Negative Thermal Expansion, Phase Transition, and Compressibility. Journal of the American Ceramic Society, 2015, 98, 2852-2857.	3.8	16
116	Adjustable uniaxial zero thermal expansion and zero linear compressibility in unique hybrid semiconductors: the role of the organic chain. Dalton Transactions, 2020, 49, 719-728.	3.3	16
117	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	15
118	Analysis of Salt-Tolerance Genes in <i>Zygosaccharomyces rouxii</i> . Applied Biochemistry and Biotechnology, 2013, 170, 1417-1425.	2.9	15
119	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. Vacuum, 2014, 104, 116-121.	3.5	15
120	Synthesis of atomically thin GaSe wrinkles for strain sensors. Frontiers of Physics, 2016, 11, 1.	5.0	15
121	Toward a Dynamic Network-Centric Distributed Cloud Platform for Scientific Workflows: A Case Study for Adaptive Weather Sensing. , 2019, , .		15
122	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
123	Forced volume magnetostriction in Mn _{3.3} Sn _{0.7} C compound at room temperature. Journal of Magnetism and Magnetic Materials, 2010, 322, 3106-3108.	2.3	14
124	Virtual network mapping with traffic matrices. , 2012, , .		14
125	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
126	Visible Light Photocatalytic Properties and Thermo-chromic Phenomena of Nanostructured BiOCl Microspheres. Journal of Materials Science and Technology, 2014, 30, 1130-1133.	10.7	14

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127	Metal fluorides, a new family of negative thermal expansion materials. <i>Journal of Materiomics</i> , 2015, 1, 106-112.	5.7	14
128	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
129	Room-temperature third-order nonlinear Hall effect in Weyl semimetal TaIrTe ₄ . <i>National Science Review</i> , 2022, 9, .	9.5	14
130	Enhancing light emission efficiency without color change in post-transition metal chalcogenides. <i>Nanoscale</i> , 2016, 8, 5820-5825.	5.6	13
131	Necktie-like ZnO nanobelts grown by a self-catalytic VLS process. <i>Materials Letters</i> , 2006, 60, 3809-3812.	2.6	12
132	Virtual Network Mapping with Traffic Matrices. , 2011, , .		12
133	Topology-Oriented Virtual Network Embedding Approach for Data Centers. <i>IEEE Access</i> , 2019, 7, 2429-2438.	4.2	12
134	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
135	Improvement of thermal stability of ZrSiON based solar selective absorbing coating. <i>Journal of Materiomics</i> , 2020, 6, 760-767.	5.7	12
136	Preparation and properties of antiperovskite Mn ₃ NiN thin film. <i>Materials Letters</i> , 2011, 65, 3447-3449.	2.6	11
137	Magnetic phase transitions of antiperovskite Mn ₃ xFexSnC _{0.5} (0.5x%1.3). <i>Solid State Communications</i> , 2011, 151, 377-381.	1.9	11
138	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
139	Negative/zero thermal expansion in black phosphorus nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28726-28731.	2.8	11
140	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
141	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
142	Unusual magnetic hysteresis and the weakened transition behavior induced by Sn substitution in Mn ₃ SbN. <i>Journal of Applied Physics</i> , 2014, 115, 043509.	2.5	10
143	The evolution of magnetic transitions, negative thermal expansion and unusual electronic transport properties in Mn ₃ AgxMnyN. <i>Solid State Communications</i> , 2015, 222, 37-41.	1.9	10
144	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

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145	Enhanced thermal stability of Mo film with low infrared emissivity by a TiN barrier layer. Applied Surface Science, 2022, 571, 151368.	6.1	10
146	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
147	Ni-doping effect on the magnetic transition and correlated lattice contraction in antiperovskite Mn ₃ ZnN compounds. Solid State Communications, 2012, 152, 446-449.	1.9	9
148	Investigation on low thermal emittance of Al films deposited by magnetron sputtering. Infrared Physics and Technology, 2016, 75, 133-138.	2.9	9
149	Black phosphorene exhibiting negative thermal expansion and negative linear compressibility. Journal of Physics Condensed Matter, 2019, 31, 465003.	1.8	9
150	Giant Negative Thermal Expansion in Antiferromagnetic CrAs -Based Compounds. Physical Review Applied, 2019, 12, .	3.8	9
151	High-performance optoelectronic memory based on bilayer MoS ₂ grown by Au catalyst. Journal of Materials Chemistry C, 2020, 8, 2664-2668.	5.5	9
152	Broadband and ultrafast all-optical switching based on transition metal carbide. Nanophotonics, 2021, 10, 2617-2623.	6.0	9
153	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
154	Genome sequence of <i>Candida versatilis</i> and comparative analysis with other yeast. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1131-1138.	3.0	8
155	Design and Analysis of QoE-Aware Quality Adaptation for DASH. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-24.	4.3	8
156	The Future of Multi-Clouds: A Survey of Essential Architectural Elements. , 2018, , .		8
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