Xun Xu

List of Publications by Year
in descending order

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155 papers	8,225 citations	34076 52 h-index	53190 85 g-index
156 all docs	156 docs citations	156 times ranked	10336 citing authors

#	Article	IF	Citations
1	Sulfur-graphene composite for rechargeable lithium batteries. Journal of Power Sources, 2011, 196, 7030-7034.	4.0	362
2	Doubly hybrid density functional for accurate descriptions of nonbond interactions, thermochemistry, and thermochemical kinetics. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4963-4968.	3.3	332
3	Active-Site-Enriched Iron-Doped Nickel/Cobalt Hydroxide Nanosheets for Enhanced Oxygen Evolution Reaction. ACS Catalysis, 2018, 8, 5382-5390.	5.5	311
4	Recent progress on silicon-based anode materials for practical lithium-ion battery applications. Energy Storage Materials, 2018, 15, 422-446.	9.5	292
5	MOF-derived Co-doped nickel selenide/C electrocatalysts supported on Ni foam for overall water splitting. Journal of Materials Chemistry A, 2016, 4, 15148-15155.	5.2	291
6	Recent Development of Zeolitic Imidazolate Frameworks (ZIFs) Derived Porous Carbon Based Materials as Electrocatalysts. Advanced Energy Materials, 2018, 8, 1801257.	10.2	242
7	Silicene: A Promising Anode for Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1606716.	11.1	179
8	Tuning the Band Gap in Silicene by Oxidation. ACS Nano, 2014, 8, 10019-10025.	7.3	175
9	High-performance room-temperature sodiumâ€“sulfur battery enabled by electrocatalytic sodium polysulfides full conversion. Energy and Environmental Science, 2020, 13, 562-570.	15.6	163
10	Atomically thin non-layered nanomaterials for energy storage and conversion. Chemical Society Reviews, 2017, 46, 7338-7373.	18.7	162
11	Nanodroplets for Stretchable Superconducting Circuits. Advanced Functional Materials, 2016, 26, 8111-8118.	7.8	158
12	Multifunctional Activeâ€Centerâ€Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. Angewandte Chemie - International Edition, 2020, 59, 14533-14540.	7.2	152
13	Comprehensive New Insights and Perspectives into Tiâ€Based Anodes for Nextâ€Generation Alkaline Metal (Na⁺, K⁺) Ion Batteries. Advanced Energy Materials, 2018, 8, 1801888.	10.2	142
14	Rayleigh-Instability-Induced Bismuth Nanorod@Nitrogen-Doped Carbon Nanotubes as A Long Cycling and High Rate Anode for Sodium-Ion Batteries. Nano Letters, 2019, 19, 1998-2004.	4.5	142
15	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. ACS Catalysis, 2018, 8, 4288-4293.	5.5	141
16	Quasi-freestanding epitaxial silicene on Ag(111) by oxygen intercalation. Science Advances, 2016, 2, e1600067.	4.7	138
17	Realization of flat band with possible nontrivial topology in electronic Kagome lattice. Science Advances, 2018, 4, eaau4511.	4.7	131
18	Modulation of Photocatalytic Properties by Strain in 2D BiOBr Nanosheets. ACS Applied Materials & Interfaces, 2015, 7, 27592-27596.	4.0	130

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19	Control of nano carbon substitution for enhancing the critical current density in MgB2. Superconductor Science and Technology, 2006, 19, 596-599.	1.8	122
20	A Liquidâ€Metalâ€Based Magnetoactive Slurry for Stimuliâ€Responsive Mechanically Adaptive Electrodes. Advanced Materials, 2018, 30, e1802595.	11.1	106
21	Boron Nitride Nanotubes for Ammonia Synthesis: Activation by Filling Transition Metals. Journal of the American Chemical Society, 2020, 142, 308-317.	6.6	105
22	Boosting Visible-Light-Driven Photo-oxidation of BiOCl by Promoted Charge Separation via Vacancy Engineering. ACS Sustainable Chemistry and Engineering, 2019, 7, 3010-3017.	3.2	101
23	Recent Progress on Germanene and Functionalized Germanene: Preparation, Characterizations, Applications, and Challenges. Small, 2019, 15, e1805147.	5.2	100
24	Band Gap Modulated by Electronic Superlattice in Blue Phosphorene. ACS Nano, 2018, 12, 5059-5065.	7.3	92
25	Defect Sites-Rich Porous Carbon with Pseudocapacitive Behaviors as an Ultrafast and Long-Term Cycling Anode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 9353-9361.	4.0	91
26	Two dimensional bismuth-based layered materials for energy-related applications. Energy Storage Materials, 2019, 19, 446-463.	9.5	89
27	New insights into understanding the exceptional electrochemical performance of P2-type manganese-based layered oxide cathode for sodium ion batteries. Energy Storage Materials, 2018, 15, 257-265.	9.5	86
28	Recent progress on liquid metals and their applications. Advances in Physics: X, 2018, 3, 1446359.	1.5	85
29	Electronic Structure Engineering of LiCoO₂ toward Enhanced Oxygen Electrocatalysis. Advanced Energy Materials, 2019, 9, 1803482.	10.2	85
30	Electrochemical potassium/lithium-ion intercalation into TiSe2: Kinetics and mechanism. Energy Storage Materials, 2019, 16, 512-518.	9.5	84
31	Boosting Sodium Storage of Doubleâ€Shell Sodium Titanate Microspheres Constructed from 2D Ultrathin Nanosheets via Sulfur Doping. Advanced Materials, 2018, 30, e1804157.	11.1	79
32	A S/N-doped high-capacity mesoporous carbon anode for Na-ion batteries. Journal of Materials Chemistry A, 2019, 7, 11976-11984.	5.2	78
33	Liquid metals and their hybrids as stimulusâ€“responsive smart materials. Materials Today, 2020, 34, 92-114.	8.3	78
34	Monolayer Epitaxial Heterostructures for Selective Visibleâ€Lightâ€Driven Photocatalytic NO Oxidation. Advanced Functional Materials, 2019, 29, 1808084.	7.8	76
35	The effects of sintering temperature on superconductivity in MgB2/Fe wires. Superconductor Science and Technology, 2007, 20, 448-451.	1.8	75
36	Cooperative Electronâ€“Phonon Coupling and Buckled Structure in Germanene on Au(111). ACS Nano, 2017, 11, 3553-3559.	7.3	75

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37	Honeycomb silicon: a review of silicene. Science Bulletin, 2015, 60, 1551-1562.	4.3	74
38	Promoted Photocharge Separation in 2D Lateral Epitaxial Heterostructure for Visibleâ€Lightâ€Driven CO₂ Photoreduction. Advanced Materials, 2020, 32, e2004311.	11.1	74
39	Effects of Oxygen Adsorption on the Surface State of Epitaxial Silicene on Ag(111). Scientific Reports, 2014, 4, 7543.	1.6	70
40	Recent advanced skeletons in sodium metal anodes. Energy and Environmental Science, 0, , .	15.6	69
41	Investigation of electron-phonon coupling in epitaxial silicene byin situRaman spectroscopy. Physical Review B, 2015, 91, .	1.1	67
42	Nickel single atom-decorated carbon nanosheets as multifunctional electrocatalyst supports toward efficient alkaline hydrogen evolution. Nano Energy, 2021, 83, 105850.	8.2	66
43	Hierarchical (Ni,Co)Se 2 /Carbon Hollow Rhombic Dodecahedra Derived from Metal-Organic Frameworks for Efficient Water-Splitting Electrocatalysis. Electrochimica Acta, 2017, 250, 167-173.	2.6	63
44	Nearâ€Infraredâ€Driven Photocatalysts: Design, Construction, and Applications. Small, 2021, 17, e1904107.	5.2	63
45	A correlation between transport current density and grain connectivity in MgB2/Fe wire made from ball-milled boron. Journal of Applied Physics, 2009, 105, .	1.1	60
46	Dirac Signature in Germanene on Semiconducting Substrate. Advanced Science, 2018, 5, 1800207.	5.6	59
47	The doping effect of multiwall carbon nanotube on MgB2â•Fe superconductor wire. Journal of Applied Physics, 2006, 100, 013908.	1.1	58
48	Systematic study of a MgB2+C4H6O5superconductor prepared by the chemical solution route. Superconductor Science and Technology, 2007, 20, 715-719.	1.8	58
49	Hydrogen Terminated Germanene for a Robust Selfâ€Powered Flexible Photoelectrochemical Photodetector. Small, 2020, 16, e2000283.	5.2	58
50	Manipulating the Architecture of Atomically Thin Transition Metal (Hydr)oxides for Enhanced Oxygen Evolution Catalysis. ACS Nano, 2018, 12, 1878-1886.	7.3	57
51	ImprovedJcof MgB2superconductor by ball milling using different media. Superconductor Science and Technology, 2006, 19, L47-L50.	1.8	56
52	In-situ grafting of N-doped carbon nanotubes with Ni encapsulation onto MOF-derived hierarchical hybrids for efficient electrocatalytic hydrogen evolution. Carbon, 2020, 163, 178-185.	5.4	56
53	Immobilized trimeric metal clusters: A family of the smallest catalysts for selective CO2 reduction toward multi-carbon products. Nano Energy, 2020, 76, 105049.	8.2	56
54	Synergistically Enhanced Interfacial Interaction to Polysulfide via N,O Dual-Doped Highly Porous Carbon Microrods for Advanced Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 13573-13580.	4.0	54

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55	Phase transformation and superconducting properties of MgB2 using ball-milled low purity boron. Journal of Applied Physics, 2008, 103, .	1.1	53
56	Promoting photoreduction properties via synergetic utilization between plasmonic effect and highly active facet of BiOCl. Nano Energy, 2019, 57, 398-404.	8.2	52
57	Enhancement of in-field Jc in MgB2â^•Fe wire using single- and multiwalled carbon nanotubes. Applied Physics Letters, 2006, 89, 122510.	1.5	49
58	Effect of boron powder purity on superconducting properties of MgB2. Superconductor Science and Technology, 2006, 19, 466-469.	1.8	48
59	Metalâ€“Organic Framework-Derived Sea-Cucumber-like FeS₂@C Nanorods with Outstanding Pseudocapacitive Na-Ion Storage Properties. ACS Applied Energy Materials, 2018, 1, 6234-6241.	2.5	47
60	A ferroelectric photocatalyst Ag₁₀Si₄O₁₃ with visible-light photooxidation properties. Journal of Materials Chemistry A, 2016, 4, 10992-10999.	5.2	46
61	Graphene doping to enhance the flux pinning and supercurrent carrying ability of a magnesium diboride superconductor. Superconductor Science and Technology, 2010, 23, 085003.	1.8	44
62	The effect of reduced graphene oxide addition on the superconductivity of MgB2. Journal of Materials Chemistry, 2012, 22, 13941.	6.7	43
63	On the roles of graphene oxide doping for enhanced supercurrent in MgB₂ based superconductors. Nanoscale, 2014, 6, 6166-6172.	2.8	40
64	Effect of processing temperature on high field critical current density and upper critical field of nanocarbon doped MgB2. Applied Physics Letters, 2007, 90, 122502.	1.5	39
65	Flux pinning mechanisms in graphene-doped MgB2 superconductors. Scripta Materialia, 2011, 65, 634-637.	2.6	39
66	Lotus rhizome-like S/Nâ€“C with embedded WS₂ for superior sodium storage. Journal of Materials Chemistry A, 2019, 7, 25932-25943.	5.2	39
67	Galliumâ€based liquid metals for lithiumâ€ion batteries. , 2022, 1, 354-372.		39
68	Unabridged phase diagram for single-phased FeSexTe1-x thin films. Scientific Reports, 2014, 4, 7273.	1.6	38
69	Observation of van Hove Singularities in Twisted Silicene Multilayers. ACS Central Science, 2016, 2, 517-521.	5.3	37
70	Engineering additional edge sites on molybdenum dichalcogenides toward accelerated alkaline hydrogen evolution kinetics. Nanoscale, 2019, 11, 717-724.	2.8	37
71	Progress and perspectives of bismuth oxyhalides in catalytic applications. Materials Today Physics, 2021, 16, 100294.	2.9	37
72	Selective Ferroelectric BiOI/Bi₄Ti₃O₁₂ Heterostructures for Visible Light-Driven Photocatalysis. Journal of Physical Chemistry C, 2019, 123, 517-525.	1.5	36

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73	Significant enhancement ofH_{c2}andH_{irr}in MgB₂+C₄H₆O₅bulks at a low sintering temperature of 600â€‰Â°C. Superconductor Science and Technology, 2007, 20, L51-L54.	1.8	35
74	Evidence for transformation from ÎTc to Î1 pinning in MgB2 by graphene oxide doping with improved low and high field Jc and pinning potential. Applied Physics Letters, 2013, 102, .	1.5	35
75	General Synthetic Strategy for Pomegranate-like Transition-Metal Phosphides@N-Doped Carbon Nanostructures with High Lithium Storage Capacity. , 2019, 1, 265-271.		35
76	Enhancement of flux pinning in a MgB2superconductor doped with tartaric acid. Superconductor Science and Technology, 2007, 20, 112-116.	1.8	34
77	Controllable Synthesis and Growth Model of Amorphous Silicon Nanotubes with Periodically Dome-Shaped Interiors. Advanced Materials, 2006, 18, 228-234.	11.1	33
78	Influence of disorder on the in-field Jc of MgB2 wires using highly active pyrene. Applied Physics Letters, 2008, 92, .	1.5	33
79	Construction of 2D lateral pseudoheterostructures by strain engineering. 2D Materials, 2017, 4, 025102.	2.0	31
80	Atomically dispersed S-Fe-N4 for fast kinetics sodium-sulfur batteries via a dual function mechanism. Cell Reports Physical Science, 2021, 2, 100531.	2.8	31
81	Boosting NIR-driven photocatalytic water splitting by constructing 2D/3D epitaxial heterostructures. Journal of Materials Chemistry A, 2019, 7, 13629-13634.	5.2	30
82	Role of Charge Density Wave in Monatomic Assembly in Transition Metal Dichalcogenides. Advanced Functional Materials, 2019, 29, 1900367.	7.8	28
83	General Programmable Growth of Hybrid Coreâ€“Shell Nanostructures with Liquid Metal Nanodroplets. Advanced Materials, 2021, 33, e2008024.	11.1	28
84	Galliumâ€“Indiumâ€“Tin Liquid Metal Nanodroplet-Based Anisotropic Conductive Adhesives for Flexible Integrated Electronics. ACS Applied Nano Materials, 2021, 4, 550-557.	2.4	27
85	Superconductivity of MgB2 with embedded multiwall carbon nanotube. Physica C: Superconductivity and Its Applications, 2006, 449, 133-138.	0.6	26
86	Improving Superconducting Properties of MgB$_{2}$ by Graphene Doping. IEEE Transactions on Applied Superconductivity, 2011, 21, 2686-2689.	1.1	26
87	Application of Scanning Tunneling Microscopy in Electrocatalysis and Electrochemistry. Electrochemical Energy Reviews, 2021, 4, 249-268.	13.1	26
88	Enhancement of charge separation in ferroelectric heterogeneous photocatalyst Bi₄(SiO₄)₃/Bi₂SiO₅ nanostructures. Dalton Transactions, 2017, 46, 15582-15588.	1.6	25
89	A significant improvement in the superconducting properties of MgB2 by co-doping with graphene and nano-SiC. Scripta Materialia, 2012, 67, 802-805.	2.6	23
90	Kondo Holes in the Two-Dimensional Itinerant Ising Ferromagnet Fe₃GeTe₂. Nano Letters, 2021, 21, 6117-6123.	4.5	23

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91	A significant improvement in both low- and high-field performance of MgB2 superconductors through graphene oxide doping. Scripta Materialia, 2013, 69, 437-440.	2.6	22
92	Magnetic field actuated manipulation and transfer of oil droplets on a stable underwater superoleophobic surface. Physical Chemistry Chemical Physics, 2016, 18, 16202-16207.	1.3	20
93	Germanene Nanosheets: Achieving Superior Sodiumâ€Ion Storage via Pseudointercalation Reactions. Small Structures, 2021, 2, 2100041.	6.9	20
94	Effect of Sintering Temperature on the Superconducting Properties of Graphene Doped $hbox{MgB}_{2}$. IEEE Transactions on Applied Superconductivity, 2013, 23, 7100604-7100604.	1.1	19
95	MgB₂superconducting joints for persistent current operation. Superconductor Science and Technology, 2015, 28, 065017.	1.8	18
96	Graphene micro-substrate-induced Ï€ gap expansion in MgB2. Acta Materialia, 2011, 59, 7268-7276.	3.8	17
97	Microscopic unravelling of nano-carbon doping in MgB2 superconductors fabricated by diffusion method. Journal of Alloys and Compounds, 2015, 644, 900-905.	2.8	17
98	Understanding the structural and chemical evolution of layered potassium titanates for sodium ion batteries. Energy Storage Materials, 2020, 25, 502-509.	9.5	17
99	Multifunctional Activeâ€Centerâ€Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. Angewandte Chemie, 2020, 132, 14641-14648.	1.6	17
100	Effect of Carbon Substitution on the Superconducting Properties of ${m MgB}_{2}$ Doped With Multi-Walled Carbon Nanotubes and Nano Carbon. IEEE Transactions on Applied Superconductivity, 2007, 17, 2929-2932.	1.1	16
101	Significant improvement ofJ_cin MgB₂bulk superconductor using ball-milled high-purity crystalline boron. Superconductor Science and Technology, 2008, 21, 115004.	1.8	16
102	Graphene Micro-Substrate Induced High Electron-Phonon Coupling in $hbox{MgB}_{2}$. IEEE Transactions on Applied Superconductivity, 2013, 23, 7000104-7000104.	1.1	16
103	Electronic Band Engineering in Elemental 2D Materials. Advanced Materials Interfaces, 2018, 5, 1800749.	1.9	16
104	Morphology engineering of atomic layer defect-rich CoSe₂ nanosheets for highly selective electrosynthesis of hydrogen peroxide. Journal of Materials Chemistry A, 2021, 9, 21340-21346.	5.2	16
105	Characterisation of nano-grains in MgB2 superconductors by transmission Kikuchi diffraction. Scripta Materialia, 2015, 101, 36-39.	2.6	15
106	Application of organic-inorganic hybrids in lithium batteries. Materials Today Physics, 2020, 15, 100289.	2.9	15
107	Enhanced energy transfer in heterogeneous nanocrystals for near infrared upconversion photocurrent generation. Nanoscale, 2017, 9, 18661-18667.	2.8	14
108	Role of Atomic Interaction in Electronic Hybridization in Two-Dimensional Ag₂Ge Nanosheets. Journal of Physical Chemistry C, 2017, 121, 16754-16760.	1.5	13

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109	Recent Progress on 2D Kagome Magnets: Binary T_mSn_n (T = Fe,) Tj ETQq1 1 0.784314 rgBT /	1.8	13
110	Magnetic and levitation characteristics of bulk high-temperature superconducting magnets above a permanent magnet guideway. Superconductor Science and Technology, 2016, 29, 095009.	1.8	12
111	Experimental Realization of Two-Dimensional Buckled Lieb Lattice. Nano Letters, 2020, 20, 2537-2543.	4.5	12
112	Enhancement of critical current density and irreversibility field by nano-carbon substitution in MgB2. Physica C: Superconductivity and Its Applications, 2007, 460-462, 568-569.	0.6	11
113	Rational design of two-dimensional hybrid Co/N-doped carbon nanosheet arrays for efficient bi-functional electrocatalysis. Sustainable Energy and Fuels, 2019, 3, 1757-1763.	2.5	11
114	A comprehensive study of the pinning mechanisms of MgB₂wires treated with malic acid and their relationships with lattice defects. Superconductor Science and Technology, 2013, 26, 085013.	1.8	10
115	Electric-Field-Driven Negative Differential Conductance in 2D van der Waals Ferromagnet Fe₃GeTe₂. Nano Letters, 2021, 21, 9233-9239.	4.5	10
116	Audiovisual speech recognition: A review and forecast. International Journal of Advanced Robotic Systems, 2020, 17, 172988142097608.	1.3	10
117	Benzoic Acid Doping to Enhance Electromagnetic Properties of ${m MgB}_{2}$ Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 2778-2781.	1.1	9
118	Effect of Boron powder purity on superconducting properties of bulk MgB2. Physica C: Superconductivity and Its Applications, 2007, 460-462, 602-603.	0.6	9
119	Evaluation of carbon incorporation and strain of doped MgB2 superconductor by Raman spectroscopy. Scripta Materialia, 2011, 64, 323-326.	2.6	9
120	Pauli-limited effect in the magnetic phase diagram of FeSexTe1â^'x thin films. Applied Physics Letters, 2015, 107, .	1.5	9
121	Metalâ€“silicene interaction studied by scanning tunneling microscopy. Journal of Physics Condensed Matter, 2016, 28, 034002.	0.7	9
122	Influence of Ball-Milled Low Purity Boron Powder on the Superconductivity of ${m MgB}_{2}$. IEEE Transactions on Applied Superconductivity, 2007, 17, 2782-2785.	1.1	8
123	Determination of the relative influences of carbon doping and disorder on field and temperature dependent critical current density of MgB₂. Superconductor Science and Technology, 2009, 22, 125005.	1.8	8
124	Evolution of Electromagnetic Properties and Microstructure With Sintering Temperature for ${hbox {MgB}}_{2}/{hbox {Fe}}$ Wires Made by Combined In-Situ/Ex-Situ Process. IEEE Transactions on Applied Superconductivity, 2011, 21, 2635-2638.	1.1	8
125	Superconducting transition width under magnetic field in MgB2 polycrystalline samples. Journal of Applied Physics, 2010, 108, 093907.	1.1	7
126	Reaction method control of impurity scattering in C-doped MgB2: proving the role of defects besides C substitution level. Superconductor Science and Technology, 2013, 26, 125018.	1.8	7

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127	Calorimetric AC loss measurement of MgB₂superconducting tape in an alternating transport current and direct magnetic field. Superconductor Science and Technology, 2012, 25, 115016.	1.8	6
128	The Effects of Graphene Doping on the In-Field J_c of MgB₂ Wires. Journal of Nanoscience and Nanotechnology, 2012, 12, 1402-1405.	0.9	6
129	Toward enhanced alkaline hydrogen electrocatalysis with transition metal-functionalized nitrogen-doped carbon supports. Chinese Journal of Catalysis, 2022, 43, 1351-1359.	6.9	6
130	Effect of magnetic field processing on the microstructure of micronsize Zn doped MgB2. Physica C: Superconductivity and Its Applications, 2007, 460-462, 310-311.	0.6	5
131	Influence of intermediate annealing on the microstructure of in situ MgB2/Fe wire. Physica C: Superconductivity and Its Applications, 2008, 468, 1825-1828.	0.6	5
132	Properties of pure and carbon sphere doped MgB2prepared from low grade boron powders. Superconductor Science and Technology, 2008, 21, 065006.	1.8	5
133	Transport critical current of MgB₂wires: pulsed current of varying rate compared to direct current method. Superconductor Science and Technology, 2011, 24, 105009.	1.8	5
134	Improvements in the Dispersion of Nanosilver in a MgB₂ Matrix through a Graphene Oxide Net. Journal of Physical Chemistry C, 2015, 119, 10631-10640.	1.5	5
135	Enhancement of critical current of SiC and malic acid codoped MgB2âˆ•Fe wires. International Journal of Modern Physics B, 2015, 29, 1542032.	1.0	5
136	Reversible Potassium Intercalation in Blue Phosphoreneâ€“Au Network Driven by an Electric Field. Journal of Physical Chemistry Letters, 2020, 11, 5584-5590.	2.1	5
137	Epitaxial growth of bilayer Bi(110) on two-dimensional ferromagnetic Fe₃GeTe₂. Journal of Physics Condensed Matter, 2022, 34, 074003.	0.7	5
138	Improvement of Upper Critical Field and Critical Current Density in Single Walled CNT Doped ${hbox{MgB}}_{2}/{hbox{Fe}}$ Wires. IEEE Transactions on Applied Superconductivity, 2007, 17, 2907-2910.	1.1	4
139	Lattice Parameter, Lattice Disorder and Resistivity of Carbohydrate Doped MgB2 and Their Correlation with the Transition Temperature. Journal of Nanoscience and Nanotechnology, 2009, 9, 7477-80.	0.9	4
140	Structurally homogeneous MgB2 superconducting wires through economical wet mixing process. Materials Letters, 2013, 91, 356-358.	1.3	4
141	Epitaxial growth mechanism of silicene on Ag(111). , 2014, , .		3
142	Microscopic origin of highly enhanced supercurrent in 122 pnictide superconductor. Journal of Alloys and Compounds, 2018, 754, 1-6.	2.8	3
143	The effects of C substitution and disorder on the field dependent critical current density in MgB2 with nano-SiC additions. Physica C: Superconductivity and Its Applications, 2010, 470, 1211-1215.	0.6	2
144	Superconducting Properties of Graphene Doped Magnesium Diboride. , 2011, , .		2

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145	Effect of sintering temperature on structural defects and superconducting properties in MgB2+ C4H6O5. Journal of Physics: Conference Series, 2008, 97, 012066.	0.3	1
146	Raman Spectroscopy: Alternate Method for Strain and Carbon Substitution Study in ${m MgB}_{2}$. IEEE Transactions on Applied Superconductivity, 2011, 21, 2623-2626.	1.1	1
147	Magnetic Characteristics of Single-Block and Multi-Block Nd-Fe-B Permanent Magnets at Low Temperature. IEEE Magnetics Letters, 2016, 7, 1-5.	0.6	1
148	Adsorption of Molecules on Silicene. Springer Series in Materials Science, 2016, , 215-242.	0.4	1
149	2D Heterostructures: Monolayer Epitaxial Heterostructures for Selective Visibleâ€Lightâ€Driven Photocatalytic NO Oxidation (Adv. Funct. Mater. 15/2019). Advanced Functional Materials, 2019, 29, 1970100.	7.8	1
150	H-infinity adaptive observer enhancements for vehicle chassis dynamics-based navigation sensor fault construction. International Journal of Advanced Robotic Systems, 2020, 17, 172988142090421.	1.3	1
151	Liquid-Metal-Mediated Electrocatalyst Support Engineering toward Enhanced Water Oxidation Reaction. Nanomaterials, 2022, 12, 2153.	1.9	1
152	Superconducting Properties of ${m MgB}_{2}$ Wire Using Ball-Milled Low Purity Boron. IEEE Transactions on Applied Superconductivity, 2009, 19, 2714-2717.	1.1	0
153	CRITICAL CURRENT DENSITY PERFORMANCE OF MALIC ACID DOPED MAGNESIUM DIBORIDE WIRES AT DIFFERENT OPERATING TEMPERATURES. International Journal of Modern Physics B, 2009, 23, 3497-3502.	1.0	0
154	Magnetoelectric properties of MgB<inf>2</inf> superconductor by SiC doping. , 2011, , .		0
155	Plenary talk - strain engineering for improvement in J<inf>c</inf> and H<inf>irr</inf> and H<inf>c2</inf> in MgB<inf>2</inf>. , 2011, , .		0