

Bin Qian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6237873/publications.pdf>

Version: 2024-02-01

81
papers

1,754
citations

279798

23
h-index

330143

37
g-index

81
all docs

81
docs citations

81
times ranked

2631
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic transport in a possible quasi-one-dimensional topological candidate: TaNi ₂ Te ₃ . Tungsten, 2023, 5, 325-331.	4.8	5
2	Coupled electronic and magnetic relaxation in Fe _{1+y} Te: direct evidence for the interaction between itinerant carriers and local moments. Journal of Physics Condensed Matter, 2022, 34, 025601.	1.8	0
3	Anisotropic large magnetoresistance and Fermi surface topology of terbium monoantimonide. Materials Today Physics, 2022, 24, 100657.	6.0	3
4	Anisotropic giant magnetoresistance and Fermi surface topology in the layered compound YbBi_2S_2 . Physical Review B, 2022, 105, .		
5	Core-shell structured SnSe@C microrod for Na-ion battery anode. Journal of Energy Chemistry, 2021, 55, 256-264.	12.9	61
6	MnSe nanoparticles encapsulated into N-doped carbon fibers with a binder-free and free-standing structure for lithium ion batteries. Ceramics International, 2021, 47, 1429-1438.	4.8	27
7	Electrochemical and electrocatalytic performance of FeSe ₂ nanoparticles improved by selenium matrix. Materials Letters, 2021, 284, 128947.	2.6	6
8	One dimensional SbO ₂ /Sb ₂ O ₃ @NC microrod as anode for lithium-ion and sodium-ion batteries. Nano Select, 2021, 2, 425-432.	3.7	9
9	Electrocatalytically inactive copper improves the water adsorption/dissociation on Ni ₃ S ₂ for accelerated alkaline and neutral hydrogen evolution. Nanoscale, 2021, 13, 2456-2464.	5.6	25
10	Topological quantum phase transition in the magnetic semimetal HoSb. Journal of Materials Chemistry C, 2021, 9, 6996-7004.	5.5	4
11	A Fe ₂ O ₃ @Fe ₃ C heterostructure encapsulated into a carbon matrix for the anode of lithium-ion batteries. Chemical Communications, 2021, 57, 8818-8821.	4.1	13
12	Synthesis of an Antiferromagnet Ba ₇ Fe ₆ S ₁₄ with One-dimensional Chains Constituted by FeS ₄ Tetrahedra. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1113-1118.	1.8	0
13	The lithium ion storage performance of ZnSe particles with stable electrochemical reaction interfaces improved by carbon coating. Journal of Physics and Chemistry of Solids, 2021, 152, 109987.	4.0	7
14	Morphological modulation of cobalt selenide on carbon cloth by Ni doping for high-performance electrodes in supercapacitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126818.	4.7	27
15	MoO ₂ nanosheets embedded into carbon nanofibers with a self-standing structure for lithium ion and sodium ion batteries. Ceramics International, 2021, 47, 26839-26846.	4.8	16
16	Quantum oscillations and quasilinear magnetoresistance in the topological semimetal candidate ScS_2 . Physical Review B, 2021, 104, .	3.2	1
17	Formation of Nitrogen-Doped Carbon-Coated CoP Nanoparticles Embedded within Graphene Oxide for Lithium-ion Batteries Anode. Energy Technology, 2020, 8, 1901089.	3.8	22
18	Rational design of hierarchical FeSe ₂ encapsulated with bifunctional carbon cuboids as an advanced anode for sodium-ion batteries. Nanoscale, 2020, 12, 22210-22216.	5.6	26

#	ARTICLE	IF	CITATIONS
19	Anisotropic Transport and Quantum Oscillations in the Quasi-One-Dimensional TaNiTe ₅ : Evidence for the Nontrivial Band Topology. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7782-7789.	4.6	21
20	Anisotropic and extreme magnetoresistance in the magnetic semimetal candidate erbium monobismuthide. <i>Physical Review B</i> , 2020, 102, .	3.2	12
21	Metal-organic framework-derived Ni ₂ P/nitrogen-doped carbon porous spheres for enhanced lithium storage. <i>Science China Materials</i> , 2020, 63, 1672-1682.	6.3	18
22	Design and synthesis of dendritic Co ₃ O ₄ @Co ₂ (CO ₃)(OH) ₂ nanoarrays on carbon cloth for high-performance supercapacitors. <i>Journal of Materials Science</i> , 2020, 55, 12091-12102.	3.7	33
23	Magnetic-field-induced nontrivial electronic state in the Kondo-lattice semimetal CeSb. <i>Physical Review B</i> , 2020, 101, .	3.2	18
24	MOF-derived ultrasmall CoSe ₂ nanoparticles encapsulated by an N-doped carbon matrix and their superior lithium/sodium storage properties. <i>Chemical Communications</i> , 2020, 56, 9218-9221.	4.1	24
25	Pressure engineering of the Dirac fermions in quasi-one-dimensional Tl ₂ Mo ₆ Se ₆ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 215402.	1.8	5
26	Pressure effect on the topologically nontrivial electronic state and transport of lutecium monobismuthide. <i>Physical Review Materials</i> , 2020, 4, .	2.4	7
27	<i>In situ</i> synthesis of ultrasmall MnO nanoparticles encapsulated by a nitrogen-doped carbon matrix for high-performance lithium-ion batteries. <i>Chemical Communications</i> , 2019, 55, 9184-9187.	4.1	17
28	Synergistic Effect on the Improved Electrochemical Performance in the Case of Fe _{1-x} Cd _x CO ₃ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 19333-19339.	3.1	5
29	Nonsaturating Magnetoresistance and Nontrivial Band Topology of Type-II Weyl Semimetal NbIrTe ₄ . <i>Advanced Electronic Materials</i> , 2019, 5, 1900250.	5.1	19
30	Significant Role of Al in Ternary Layered Double Hydroxides for Enhancing Electrochemical Performance of Flexible Asymmetric Supercapacitor. <i>Advanced Functional Materials</i> , 2019, 29, 1903879.	14.9	228
31	Ultrafine Co ₃ O ₄ Nanoparticles within Nitrogen-Doped Carbon Matrix Derived from Metal-Organic Complex for Boosting Lithium Storage and Oxygen Evolution Reaction. <i>Small</i> , 2019, 15, e1904260.	10.0	23
32	Encapsulating Carbon-Coated MoS ₂ Nanosheets within a Nitrogen-Doped Graphene Network for High-Performance Potassium-Ion Storage. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901066.	3.7	36
33	Two-gap superconductivity and topological surface states in TaOsSi. <i>Physical Review B</i> , 2019, 100, .	3.2	16
34	An Organic/Inorganic Synergistic Electrolysis for Overcharge Protection of Electric Vehicle Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 1787-1793.	3.7	4
35	Extreme magnetoresistance and pressure-induced superconductivity in the topological semimetal candidate YBi. <i>Physical Review B</i> , 2019, 99, .	3.2	17
36	CeO ₂ nanoparticles embedded into one dimensional N doped carbon matrix as a high performance anode for lithium ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 134, 187-192.	4.0	16

#	ARTICLE	IF	CITATIONS
37	Metal-Organic Framework-Derived FeSe ₂ @Carbon Embedded into Nitrogen-Doped Graphene Sheets with Binary Conductive Networks for Rechargeable Batteries. ChemElectroChem, 2019, 6, 2805-2811.	3.4	17
38	Bimetal phosphide Ni _{1.4} Co _{0.6} P nanoparticle/carbon@ nitrogen-doped graphene network as high-performance anode materials for lithium-ion batteries. Applied Surface Science, 2019, 485, 413-422.	6.1	17
39	Tuning the Ground State and Its Relationship to Zero-Field-Cooled Exchange Bias in NiMnSnAl Alloys. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3243-3249.	1.8	3
40	Hierarchical Ni(HCO ₃) ₂ Nanosheets Anchored on Carbon Nanofibers as Binder-Free Anodes for Lithium-Ion Batteries. Energy Technology, 2019, 7, 1900094.	3.8	10
41	MOFs derived Co ²⁺ nanoparticles embedded in N-doped carbon nanosheets with improved electrochemical performance for lithium ion batteries. Applied Surface Science, 2019, 479, 693-699.	6.1	35
42	Lithium storage mechanisms of CdSe nanoparticles with carbon modification for advanced lithium ion batteries. Chemical Communications, 2019, 55, 2996-2999.	4.1	23
43	Potassium-Ion Batteries: Encapsulating Carbon-Coated MoS ₂ Nanosheets within a Nitrogen-Doped Graphene Network for High-Performance Potassium-Ion Storage (Adv. Mater. Interfaces) Tj E3Q1 1 0.784314	10.3	52
44	Facile synthesis of CdCO ₃ cubic particles/graphene composite with enhanced electrochemical performance for lithium-ion batteries. Materials Letters, 2019, 236, 672-675.	2.6	9
45	Nano-sized FeSe ₂ anchored on reduced graphene oxide as a promising anode material for lithium-ion and sodium-ion batteries. Journal of Materials Science, 2019, 54, 4225-4235.	3.7	74
46	Synthesis and thermodynamic properties of superconducting NdPd ₁ -Bi ₂ (T _c ≈ 4.23) single crystals. Journal of Alloys and Compounds, 2019, 782, 170-175.	5.5	1
47	Porous CoP/C@MCNTs hybrid composite derived from metal-organic frameworks for high-performance lithium-ion batteries. Journal of Materials Science, 2019, 54, 3273-3283.	3.7	29
48	Extremely large magnetoresistance in the antiferromagnetic semimetal GdSb. Journal of Materials Chemistry C, 2018, 6, 3026-3033.	5.5	32
49	Three-dimensional hollow spheres of the tetragonal-spinel MgMn ₂ O ₄ cathode for high-performance magnesium ion batteries. Journal of Materials Chemistry A, 2018, 6, 8210-8214.	10.3	52
50	Evidence of s-wave superconductivity in the noncentrosymmetric La ₇ Ir ₃ . Scientific Reports, 2018, 8, 651.	3.3	19
51	Graphite modified AlNbO ₄ with enhanced lithium ion storage behaviors and its electrochemical mechanism. Materials Research Bulletin, 2018, 97, 405-410.	5.2	14
52	Nanoporous PdCe bimetallic nanocubes with high catalytic activity towards ethanol electro-oxidation and the oxygen reduction reaction in alkaline media. Journal of Materials Chemistry A, 2018, 6, 23560-23568.	10.3	38
53	Critical behavior and magnetocaloric effect in the multiferroic double perovskite Lu ₂ NiMnO ₆ . Journal of Alloys and Compounds, 2018, 763, 613-621.	5.5	14
54	Topological Type-II Dirac Fermions Approaching the Fermi Level in a Transition Metal Dichalcogenide NiTe ₂ . Chemistry of Materials, 2018, 30, 4823-4830.	6.7	101

#	ARTICLE	IF	CITATIONS
55	Multiwalled carbon nanotube-modified Nb ₂ O ₅ with enhanced electrochemical performance for lithium-ion batteries. <i>Ceramics International</i> , 2018, 44, 23226-23231.	4.8	23
56	Kondo behavior and metamagnetic phase transition in the heavy-fermion compound $CeBi_2$. <i>Physical Review B</i> , 2018, 97, .	3.2	9
57	Extremely large magnetoresistance in the nonmagnetic semimetal YBi. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10020-10029.	5.5	13
58	Hierarchical Co ₂ P microspheres assembled from nanorods grown on reduced graphene oxide as anode material for Lithium-ion batteries. <i>Applied Surface Science</i> , 2018, 459, 665-671.	6.1	25
59	Facile Synthesis of Nanoporous Pt-Y alloy with Enhanced Electrocatalytic Activity and Durability. <i>Scientific Reports</i> , 2017, 7, 41826.	3.3	46
60	Two-band and pauli-limiting effects on the upper critical field of 112-type iron pnictide superconductors. <i>Scientific Reports</i> , 2017, 7, 45943.	3.3	37
61	Topological phase transition under pressure in the topological nodal-line superconductor $PbTaSe_2$. <i>Physical Review B</i> , 2017, 96, .	3.2	14
62	Formation of graphene-encapsulated CoS ₂ hybrid composites with hierarchical structures for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 39427-39433.	3.6	26
63	Correlation between non-Fermi-liquid behavior and superconductivity in (Ca, La)(Fe,Co)As ₂ iron arsenides: A high-pressure study. <i>Physical Review B</i> , 2017, 96, .	3.2	14
64	Studies on structural, optical, and photoelectric properties of CdS _{1-x} Se _x films fabricated by selenization of chemical bath deposited CdS films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600664. in the binary stannide $PdSn_4$.	1.8	2
65	A homologue of the Dirac nodal arc semimetal $PtSn_4$. <i>Physical Review B</i> , 2015, 91, .	2.4	22
66	Intermartensitic Transformation and Enhanced Exchange Bias in Pd (Pt) -doped Ni-Mn-Sn alloys. <i>Scientific Reports</i> , 2016, 6, 25911.	3.3	15
67	Magnetic, dielectric and magnetoelectric properties of polycrystalline Nb ₂ Co ₄ O ₉ . <i>Journal of Alloys and Compounds</i> , 2016, 679, 213-217.	5.5	10
68	Magnetic manipulation of electric orders in Co ₄ NbTaO ₉ . <i>RSC Advances</i> , 2016, 6, 95038-95043.	3.6	5
69	Modulated multiferroic properties of MnWO ₄ via chemical doping. <i>RSC Advances</i> , 2016, 6, 3219-3223.	3.6	5
70	Magnetic Field-Induced Dielectric Anomaly and Electric Polarization in Co ₄ Ta ₂ O ₉ . <i>Journal of the American Ceramic Society</i> , 2015, 98, 2005-2007. Magnetism of Cu_xFe_{1-x} .	3.8	24
71	Cu_xFe_{1-x} . <i>Physical Review B</i> , 2015, 91, .	3.2	7
72	Influence of annealing temperature on the properties of polycrystalline silicon films formed by rapid thermal annealing of a-Si:H films. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4209-4212.	2.2	7

#	ARTICLE	IF	CITATIONS
73	The tunable magnetostructural transition in MnNiSi-FeNiGe system. Applied Physics Letters, 2013, 103, 132411.	3.3	44
74	Magnetostructural transformation and magnetocaloric effect in MnNiGe _{1-x} Gax alloys. Journal of Applied Physics, 2013, 114, .	2.5	27
75	Magnetic phase separation and exchange bias in off-stoichiometric Ni-Mn-Ga alloys. Applied Physics Letters, 2013, 103, .	3.3	59
76	Microcrystalline silicon films fabricated by bias-assisted hot-wire chemical vapor deposition. Journal of Materials Science: Materials in Electronics, 2013, 24, 4574-4577.	2.2	0
77	Composite structure and properties of Mn ₃ O ₄ /graphene oxide and Mn ₃ O ₄ /graphene. Journal of Materials Chemistry A, 2013, , .	10.3	22
78	Phase stability and magnetic-field-induced martensitic transformation in Mn-rich NiMnSn alloys. AIP Advances, 2012, 2, .	1.3	35
79	Effect of annealing on superconductivity in Fe _{1+y} (Te _{1-x} S _x) system. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1216-1220.	5.1	5
80	EFFECTS OF Sc SUBSTITUTING Y IN YBa ₂ Cu ₃ O _{7-δ} ON THE FLUX PINNING PROPERTIES. International Journal of Modern Physics B, 2007, 21, 3180-3182.	2.0	2
81	EVOLUTION OF SPIN OF A QUANTUM DOT EMBEDDED IN A SUPERCONDUCTING RING. International Journal of Modern Physics B, 2007, 21, 3151-3155.	2.0	1