

Yu Gong

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Unusual suppression of tungsten 5d electron depletion in superhard tungsten tetraboride solid solution with chromium under compression. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 035401.	0.7	1
2	Pressure-induced phase transitions, amorphization and alloying in Sb_2S_3 . <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10053-10061.	1.3	6
3	Quantum phase transition from superconducting to insulating-like state in a pressurized cuprate superconductor. <i>Nature Physics</i> , 2022, 18, 406-410.	6.5	18
4	Synthesis of Two-Dimensional CsPb_2X_5 (X = Br and I) with a Stable Structure and Tunable Bandgap by CsPbX_3 Phase Separation. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2555-2562.	2.1	14
5	Local insight to the structural phase transition sequence of Bi_2Se_3 under quasi-hydrostatic and nonhydrostatic pressure. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 215402.	0.7	3
6	Redox-Induced Destabilization of Dolomite at Earth's Mantle Transition Zone. <i>Journal of Earth Science (Wuhan, China)</i> , 2021, 32, 880-886.	1.1	2
7	Anomalous enhancement of atomic vibration induced by electronic transition in 2H-MoTe_2 under compression. <i>Journal of Physics Condensed Matter</i> , 2021, 34, .	0.7	1
8	Magnetism variation of the compressed antiferromagnetic topological insulator EuSn_2As_2 . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	13
9	Probing temperature effects on lattice distortion and oxidation resistance of high-entropy alloys by in situ SR-XRD and XANES. <i>Journal of Materials Research</i> , 2021, 36, 4413-4425.	1.2	4
10	Prediction of topological nontrivial semimetals and pressure-induced Lifshitz transition in $1\text{T}'\text{-MoS}_2$ layered bulk polytypes. <i>Nanoscale</i> , 2020, 12, 22710-22717.	2.8	8
11	Pressure-induced superconductivity and structural transition in ferromagnetic CrSiTe_3 . <i>Physical Review B</i> , 2020, 102, .	1.1	39
12	Anomalous lattice stiffening in tungsten tetraboride solid solutions with manganese under compression. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 165702.	0.7	2
13	Structural changes in hexagonal WO_3 under high pressure. <i>Journal of Alloys and Compounds</i> , 2019, 797, 1013-1017.	2.8	8
14	Equation of state of LiCoO_2 under 30 GPa pressure. <i>Chinese Physics B</i> , 2019, 28, 016402.	0.7	6
15	Phase transitions in bismuth under rapid compression. <i>Chinese Physics B</i> , 2019, 28, 036201.	0.7	2
16	Pressure-induced phase transitions and structural evolution across the insulator-metal transition in bulk and nanoscale BiFeO_3 . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 265404.	0.7	4
17	Local insight into the La-induced structural phase transition in multiferroic BiFeO_3 ceramics by x-ray absorption fine structure spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 085402.	0.7	7
18	Preparation and supercapacitive property of molybdenum disulfide (MoS_2) nanoflake arrays-tungsten trioxide (WO_3) nanorod arrays composite heterojunction: A synergistic effect of one-dimensional and two-dimensional nanomaterials. <i>Electrochimica Acta</i> , 2018, 263, 409-416.	2.6	21

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19	High Pressure Induced in Situ Solid-State Phase Transformation of Nonepitaxial Grown Metal@Semiconductor Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6544-6549.	2.1	5
20	In Situ Time-Resolved X-ray Absorption Fine Structure and Small Angle X-ray Scattering Revealed an Unexpected Phase Structure Transformation during the Growth of Nickel Phosphide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16397-16405.	1.5	6
21	Nanostructural heritability in polyacrylonitrile based fibers studied by small angle X-ray scattering. <i>Polymer</i> , 2018, 153, 485-497.	1.8	17
22	Local structural changes during the disordered substitutional alloy transition in Bi ₂ Te ₃ by high-pressure XAFS. <i>Journal of Applied Physics</i> , 2018, 124, 065901.	1.1	7
23	Comparative investigation of the vibrational properties of bulk $2H-MoS_2$ and its exfoliated nanosheets under high pressure. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 596-600.	1.2	10
24	Tertiary structure of cactus-like WO ₃ spheres self-assembled on Cu foil for supercapacitive electrode materials. <i>Journal of Alloys and Compounds</i> , 2017, 712, 345-354.	2.8	21
25	Bi-centric view of the isostructural phase transitions in $\hat{I}\hat{a}\hat{B}i_2Se_3$ and $\hat{I}\hat{a}\hat{B}i_2Te_3$. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700007.	0.7	11
26	Hydrothermal preparation of MoS ₂ nanoflake arrays on Cu foil with enhanced supercapacitive property. <i>Electrochimica Acta</i> , 2017, 227, 101-109.	2.6	15
27	V ₂ O ₅ nanobelt arrays with controllable morphologies for enhanced performance supercapacitors. <i>CrystEngComm</i> , 2017, 19, 6412-6424.	1.3	23
28	Revisiting local structural changes in GeO ₂ glass at high pressure. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 465401.	0.7	8
29	Bi-centric view of the isostructural phase transitions in $\hat{I}\hat{a}\hat{B}i_2Se_3$ and $\hat{I}\hat{a}\hat{B}i_2Te_3$ (Phys. Status Solidi B 7/2017). <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1770238.	0.7	0
30	La ₆ Work Function and Structural Stability under High Pressure. <i>Chinese Physics Letters</i> , 2017, 34, 076201.	1.3	2
31	Temperature-driven directional coalescence of silver nanoparticles. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 718-728.	1.0	4
32	Toward a Unified Identification of Ti Location in the MFI Framework of High-Ti-Loaded TS-1: Combined EXAFS, XANES, and DFT Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20114-20124.	1.5	45
33	Application of Mythen detector: In-situ XRD study on the thermal expansion behavior of metal indium. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016, 59, 1.	2.0	4
34	Mythen detector for X-ray diffraction at the Beijing synchrotron radiation facility. <i>Instrumentation Science and Technology</i> , 2016, 44, 1-11.	0.9	12
35	Noncrystalline structure of Ni ₃ P nanoparticles prepared by liquid pulse discharge. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 376-384.	1.0	5
36	Anharmonicity and local lattice distortion in strained Ge-dilute Si ¹³³ Ge alloy. <i>Journal of Alloys and Compounds</i> , 2015, 653, 117-121.	2.8	2

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37	Crystallization mechanism analysis of noncrystalline Ni ²⁺ /P nanoparticles through XRD, HRTEM and XAFS. CrystEngComm, 2014, 16, 9657-9668.	1.3	33
38	In-situ microstructural changes of polyacrylonitrile based fibers with stretching deformation. Polymer, 2014, 55, 4270-4280.	1.8	26
39	Optimal synthesis and magnetic properties of size-controlled nickel phosphide nanoparticles. Journal of Alloys and Compounds, 2014, 605, 230-236.	2.8	13
40	Time-Resolved Small-Angle X-ray Scattering Study on the Growth Behavior of Silver Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 11454-11463.	1.5	29
41	Microstructural change of degummed Bombyx mori silk: An in situ stretching wide-angle X-ray-scattering study. International Journal of Biological Macromolecules, 2013, 57, 99-104.	3.6	16
42	Synthesis and structural characterization of ZnO doped with Co. Journal of Alloys and Compounds, 2013, 558, 212-221.	2.8	43
43	Structural Change of Human Hair Induced by Mercury Exposure. Environmental Science & Technology, 2013, 47, 11214-11220.	4.6	10
44	Shape evolution with temperature of a thermotolerant protein (PeaT) in solution detected by small angle X-ray scattering. Proteins: Structure, Function and Bioinformatics, 2013, 81, 53-62.	1.5	3
45	Hierarchical structure and biomineralization in cricket teeth. Chinese Physics C, 2013, 37, 028001.	1.5	1
46	GISAXS and SAXS studies on the spatial structures of Co nanowire arrays. Chinese Physics C, 2011, 35, 875-879.	1.5	2