

John Arron Stride

List of Publications by Year in descending order

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145
papers

5,869
citations

136950

32
h-index

76900

74
g-index

148
all docs

148
docs citations

148
times ranked

8161
citing authors

#	ARTICLE	IF	CITATIONS
1	Gram-scale production of graphene based on solvothermal synthesis and sonication. <i>Nature Nanotechnology</i> , 2009, 4, 30-33.	31.5	1,019
2	Cu ₂ ZnSnS ₄ solar cells with over 10% power conversion efficiency enabled by heterojunction heat treatment. <i>Nature Energy</i> , 2018, 3, 764-772.	39.5	623
3	Enhanced reversible lithium storage in a nanosize silicon/graphene composite. <i>Electrochemistry Communications</i> , 2010, 12, 303-306.	4.7	402
4	Sulfur-graphene composite for rechargeable lithium batteries. <i>Journal of Power Sources</i> , 2011, 196, 7030-7034.	7.8	362
5	Over 9% Efficient Kesterite Cu ₂ ZnSnS ₄ Solar Cell Fabricated by Using Zn _{1-x} Cd _x S Buffer Layer. <i>Advanced Energy Materials</i> , 2016, 6, 1600046.	19.5	322
6	Beyond 11% Efficient Sulfide Kesterite Cu ₂ ZnSnCd _{1-x} S ₄ Solar Cell: Effects of Cadmium Alloying. <i>ACS Energy Letters</i> , 2017, 2, 930-936.	17.4	249
7	Exploring Inorganic Binary Alkaline Halide to Passivate Defects in Low-Temperature-Processed Planar Structure Hybrid Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1800138.	19.5	186
8	Band alignments of different buffer layers (CdS, Zn(O,S), and In ₂ S ₃) on Cu ₂ ZnSnS ₄ . <i>Applied Physics Letters</i> , 2014, 104, .	3.3	148
9	Beyond 8% ultrathin kesterite Cu ₂ ZnSnS ₄ solar cells by interface reaction route controlling and self-organized nanopattern at the back contact. <i>NPG Asia Materials</i> , 2017, 9, e401-e401.	7.9	118
10	Nanoscale Microstructure and Chemistry of Cu ₂ ZnSnS ₄ /CdS Interface in Kesterite Cu ₂ ZnSnS ₄ Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600706.	19.5	113
11	Pd-Ag decorated g-C ₃ N ₄ as an efficient photocatalyst for hydrogen production from water under direct solar light irradiation. <i>Catalysis Science and Technology</i> , 2018, 8, 1183-1193.	4.1	104
12	Boosting the efficiency of pure sulfide CZTS solar cells using the In/Cd-based hybrid buffers. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 700-706.	6.2	101
13	The gram-scale synthesis of carbon onions. <i>Carbon</i> , 2012, 50, 1109-1115.	10.3	99
14	Symmetry and Topology Determine the MoV-CN-MnII Exchange Interactions in High-Spin Molecules. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2711-2715.	13.8	69
15	A New Passivation Route Leading to Over 8% Efficient PbSe Quantum Dot Solar Cells via Direct Ion Exchange with Perovskite Nanocrystals. <i>Advanced Materials</i> , 2017, 29, 1703214.	21.0	69
16	Dynamics of a Triphenylene Discotic Molecule, HAT6, in the Columnar and Isotropic Liquid Phases. <i>Journal of the American Chemical Society</i> , 2003, 125, 3860-3866.	13.7	67
17	Kesterite Cu ₂ ZnSnS ₄ thin film solar cells by a facile DMF-based solution coating process. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10783-10792.	5.5	61
18	Spin Frustration in High-Spin Triiron(III) Complexes: An Inelastic Neutron Scattering Study. <i>Journal of the American Chemical Society</i> , 1994, 116, 11869-11874.	13.7	58

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19	Muons Probe Strong Hydrogen Interactions with Defective Graphene. <i>Nano Letters</i> , 2011, 11, 4919-4922.	9.1	58
20	Titania supported MOF-199 derived Cu ₂ O nanoparticles: highly efficient non-noble metal photocatalysts for hydrogen production from alcohol-water mixtures. <i>Catalysis Science and Technology</i> , 2017, 7, 677-686.	4.1	58
21	Significant Improvement in the Performance of PbSe Quantum Dot Solar Cell by Introducing a CsPbBr ₃ Perovskite Colloidal Nanocrystal Back Layer. <i>Advanced Energy Materials</i> , 2017, 7, 1601773.	19.5	56
22	Efficiency Enhancement of Kesterite Cu ₂ ZnSnS ₄ Solar Cells via Solution-Processed Ultrathin Tin Oxide Intermediate Layer at Absorber/Buffer Interface. <i>ACS Applied Energy Materials</i> , 2018, 1, 154-160.	5.1	53
23	Flexible kesterite Cu ₂ ZnSnS ₄ solar cells with sodium-doped molybdenum back contacts on stainless steel substrates. <i>Solar Energy Materials and Solar Cells</i> , 2018, 182, 14-20.	6.2	49
24	La ₂ O ₃ -Promoted Pd/rGO Electro-catalysts for Formic Acid Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32581-32590.	8.0	46
25	Graphene doping to enhance the flux pinning and supercurrent carrying ability of a magnesium diboride superconductor. <i>Superconductor Science and Technology</i> , 2010, 23, 085003.	3.5	44
26	Effect of Halide Treatments on PbSe Quantum Dot Thin Films: Stability, Hot Carrier Lifetime, and Application to Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24149-24155.	3.1	40
27	Controlled Synthesis of Isomorphous Coordination Polymers via in Situ Ligand Transformation Reaction: Crystal Structure, Thermal and Magnetic Properties. <i>Crystal Growth and Design</i> , 2010, 10, 4060-4067.	3.0	39
28	Spectroscopic and Structural Characterization of the [Fe(imidazole) ₆] ²⁺ -Cation. <i>Inorganic Chemistry</i> , 2003, 42, 5771-5777.	4.0	37
29	Self-assembled Nanometer-Scale ZnS Structure at the CZTS/ZnCdS Heterointerface for High-Efficiency Wide Band Gap Cu ₂ ZnSnS ₄ Solar Cells. <i>Chemistry of Materials</i> , 2018, 30, 4008-4016.	6.7	37
30	PASTIS: An insert for polarization analysis studies on a thermal inelastic spectrometer. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 1142-1145.	2.7	32
31	Neutron Diffraction and Theoretical DFT Studies of Two Dimensional Molecular-Based Magnet K ₂ [Mn(H ₂ O) ₂] ₃ [Mo(CN) ₇] ₂ ·6H ₂ O. <i>Inorganic Chemistry</i> , 2007, 46, 1090-1099.	4.0	32
32	Exploring the application of metastable wurtzite nanocrystals in pure-sulfide Cu ₂ ZnSnS ₄ solar cells by forming nearly micron-sized large grains. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23185-23193.	10.3	32
33	Lattice-matched Cu ₂ ZnSnS ₄ /CeO ₂ solar cell with open circuit voltage boost. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	32
34	Understanding the Key Factors of Enhancing Phase and Compositional Controllability for 6% Efficient Pure-Sulfide Cu ₂ ZnSnS ₄ Solar Cells Prepared from Quaternary Wurtzite Nanocrystals. <i>Chemistry of Materials</i> , 2016, 28, 3649-3658.	6.7	32
35	Minority lifetime and efficiency improvement for CZTS solar cells via Cd ion soaking and post treatment. <i>Journal of Alloys and Compounds</i> , 2018, 750, 328-332.	5.5	31
36	Hydrothermal synthesis of highly luminescent blue-emitting ZnSe(S) quantum dots exhibiting low toxicity. <i>Materials Science and Engineering C</i> , 2016, 64, 167-172.	7.3	30

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37	Structure and Dynamics of a Discotic Liquid-Crystalline Charge-Transfer Complex. <i>ChemPhysChem</i> , 2007, 8, 1338-1344.	2.1	29
38	A 2D cobalt based coordination polymer constructed from benzimidazole and acetate ion exhibiting spin-canted antiferromagnetism. <i>Dalton Transactions</i> , 2010, 39, 3372.	3.3	29
39	Kesterite Cu ₂ ZnSnS ₄ solar cell from sputtered Zn/(Cu & Sn) metal stack precursors. <i>Journal of Alloys and Compounds</i> , 2014, 610, 486-491.	5.5	29
40	Intra- and inter-multiplet magnetic excitations in a tetrairon(III) molecular cluster. <i>Physical Review B</i> , 2004, 70, .	3.2	27
41	Air-stable PbS quantum dots synthesized with slow reaction kinetics via a PbBr ₂ precursor. <i>RSC Advances</i> , 2015, 5, 68579-68586.	3.6	27
42	Porous Carbon/rGO Composite: An Ideal Support Material of Highly Efficient Palladium Electrocatalysts for the Formic Acid Oxidation Reaction. <i>ChemElectroChem</i> , 2017, 4, 3126-3133.	3.4	27
43	High open-circuit voltage CuSb ₂ solar cells achieved through the formation of epitaxial growth of CdS/CuSb ₂ hetero-interface by post-annealing treatment. <i>Progress in Photovoltaics: Research and Applications</i> , 2019, 27, 37-43.	8.1	26
44	Exchange interactions in trinuclear basic chromium(III) clusters: Direct observation of the magnetic spectrum by inelastic neutron scattering. <i>Journal of Chemical Physics</i> , 1993, 98, 9303-9310.	3.0	25
45	A flexible copper based microporous metal-organic framework displaying selective adsorption of hydrogen over nitrogen. <i>Dalton Transactions</i> , 2011, 40, 3398.	3.3	22
46	Improvement of Cs _{0.85} (FAPbI ₃) _{0.15} (MAPbBr ₃) _{0.15} Quality Via DMSO-Molecule-Control to Increase the Efficiency and Boost the Long-Term Stability of 1.6 cm ² Sized Planar Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800338.	5.8	21
47	Spin-Density Map of the Triplet Ground State of a Titanium(IV) Complex with Schiff-Base Diquinone Radical Ligands: An Investigation Using Polarized-Neutron Diffraction and Density-Functional Theory. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1786-1788.	13.8	20
48	One-pot synthesis of CdS nanoparticles exhibiting quantum size effect prepared within a sol-gel derived ureasilicate matrix. <i>Optical Materials</i> , 2013, 36, 186-190.	3.6	20
49	Improving carrier extraction in a PbSe quantum dot solar cell by introducing a solution-processed antimony-doped SnO ₂ buffer layer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9861-9866.	5.5	20
50	Nanoparticles for Bioapplications: Study of the Cytotoxicity of Water Dispersible CdSe(S) and CdSe(S)/ZnO Quantum Dots. <i>Nanomaterials</i> , 2019, 9, 465.	4.1	20
51	Determination of the low-temperature structure of hexamethylbenzene. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 200-206.	1.8	19
52	Four new coordination polymers constructed from benzene tricarboxylic acid: synthesis, crystal structure, thermal and magnetic properties. <i>Dalton Transactions</i> , 2010, 39, 9860.	3.3	19
53	Muon spin relaxation as a probe of molecular dynamics of organometallic compounds. , 1997, 106, 27-32.		18
54	Magneto-structural correlations of a three-dimensional Mn based metal-organic framework. <i>Dalton Transactions</i> , 2010, 39, 4358.	3.3	18

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55	Two Stage Magnetic Ordering and Spin Idle Behavior of the Coordination Polymer $\text{Co}_3(\text{OH})_2(\text{C}_4\text{O}_4)_2 \cdot 3\text{H}_2\text{O}$ Determined Using Neutron Diffraction. <i>Inorganic Chemistry</i> , 2011, 50, 2246-2251.	4.0	18
56	Switchable Magnetism: Neutron Diffraction Studies of the Desolvated Coordination Polymer $\text{Co}_3(\text{OH})_2(\text{C}_4\text{O}_4)_2$. <i>Inorganic Chemistry</i> , 2013, 52, 13462-13468.	4.0	18
57	Using charcoal, ATR FTIR and chemometrics to model the intensity of pyrolysis: Exploratory steps towards characterising fire events. <i>Science of the Total Environment</i> , 2021, 783, 147052.	8.0	18
58	Intermolecular Fermi resonance. <i>Journal of Chemical Physics</i> , 2003, 119, 2747-2752.	3.0	16
59	Inelastic neutron scattering study of magnetic excitations in the kagome antiferromagnet potassium jarosite. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 8847-8858.	1.8	15
60	Muon Implantation of Metallocenes: Ferrocene. <i>Chemistry - A European Journal</i> , 2007, 13, 2266-2276.	3.3	15
61	Electronic interactions in mixed-valence and mixed-metal ion clusters: inelastic neutron scattering spectra of the complexes $[\text{Fe}^{\text{II}}\text{M}^{\text{II}}\text{O}(\text{OOCMe})_6(\text{py})_3](\text{py})$, where M = manganese, nickel. <i>Journal of the American Chemical Society</i> , 1993, 115, 7778-7782.	13.7	14
62	The Central Atom Size Effect on the Structure of Group 14 Tetratolyls. <i>Chemistry - A European Journal</i> , 2009, 15, 6569-6572.	3.3	14
63	Three isolated structural motifs in one crystal: penetration of two 1D chains through large cavities within 2D polymeric sheets. <i>CrystEngComm</i> , 2010, 12, 1391-1393.	2.6	14
64	Adsorption and desorption characteristics of 3-dimensional networks of fused graphene. <i>Surface Science</i> , 2012, 606, 34-39.	1.9	14
65	One-pot synthesis of CdSe nanoparticles exhibiting quantum size effect within a sol-gel derived ureasilicate matrix. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 285, 21-29.	3.9	14
66	Synthesis of type-II CdSe(S)/Fe ₂ O ₃ core/shell quantum dots: the effect of shell on the properties of core/shell quantum dots. <i>Journal of Materials Science</i> , 2016, 51, 5252-5258.	3.7	14
67	Inelastic-neutron-scattering study of excited spin multiplets and low-energy phonons in the Fe ₈ nanomagnet: Implications for relaxation. <i>Physical Review B</i> , 2006, 73, .	3.2	13
68	Synthesis and characterization of organic-inorganic hybrid materials prepared by sol-gel and containing ZnxCd _{1-x} S nanoparticles prepared by a colloidal method. <i>Journal of Luminescence</i> , 2013, 144, 203-211.	3.1	13
69	Influence of Cd ²⁺ /S ²⁻ molar ratio and of different capping environments in the optical properties of CdS nanoparticles incorporated within a hybrid diureasil matrix. <i>Applied Surface Science</i> , 2014, 314, 877-887.	6.1	13
70	Muon Spin Rotation of Carbonyl Compounds, an Exploration of the Mechanism of Hyperfine Interaction. <i>Journal of Physical Chemistry A</i> , 2002, 106, 244-250.	2.5	12
71	Static and dynamic properties of Mn ₂ (OH) ₂ (C ₄ O ₄). <i>Physica B: Condensed Matter</i> , 2006, 385-386, 435-437.	2.7	12
72	Dynamics of polyurethane elastomers by muon spin relaxation. <i>Polymer</i> , 2000, 41, 3455-3461.	3.8	11

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73	Dynamics of discotic methoxy triphenylene molecules from quasielastic neutron scattering and molecular dynamics simulations. <i>Chemical Physics</i> , 2003, 292, 185-190.	1.9	11
74	Raman and Neutron Scattering Study of Partially Deuterated α -Alanine: Evidence of a Solid-Solid Phase Transition. <i>ChemPhysChem</i> , 2009, 10, 3337-3343.	2.1	11
75	Spatial Grain Growth and Composition Evolution during Sulfurizing Metastable Wurtzite $\text{Cu}_2\text{ZnSnS}_4$ Nanocrystal-Based Coatings. <i>Chemistry of Materials</i> , 2017, 29, 2110-2121.	6.7	11
76	Monte-Carlo simulations for instrumentation at pulsed and continuous sources. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 71-72.	2.7	9
77	Controlled Synthesis of Titanium Dioxide Nanostructures. <i>Solid State Phenomena</i> , 2010, 162, 261-294.	0.3	9
78	Deposition of CdSe quantum dots on graphene sheets. <i>Journal of Luminescence</i> , 2014, 146, 46-52.	3.1	9
79	Cracking a chemical conundrum. <i>Physica B: Condensed Matter</i> , 2004, 350, E351-E354.	2.7	8
80	Softening of the potential-energy surface in polymer electrolytes on the addition of nanoparticles. <i>Chemical Physics</i> , 2005, 317, 282-288.	1.9	8
81	Lattice modes of hexamethylbenzene studied by inelastic neutron scattering. <i>Chemical Physics</i> , 2005, 317, 143-152.	1.9	8
82	Central-Atom Size Effects on the Methyl Torsions of Group XIV Tetratolyls. <i>Chemistry - A European Journal</i> , 2012, 18, 13018-13024.	3.3	8
83	Controlled Synthesis of TiO_2 Nanostructures: Exceptional Hydrogen Production in Alcohol-Water Mixtures over $\text{Cu}(\text{OH})_2\text{-Ni}(\text{OH})_2/\text{TiO}_2$ Nanorods. <i>ChemistrySelect</i> , 2017, 2, 7497-7507.	1.5	8
84	11.6% Efficient Pure Sulfide $\text{Cu}(\text{In,Ga})\text{S}_2$ Solar Cell through a Cu-Deficient and KCN-Free Process. <i>ACS Applied Energy Materials</i> , 2020, 3, 11974-11980.	5.1	8
85	Experimental Q-dependence of the rotational J=0-to-1 transition of molecular hydrogen adsorbed in single-wall carbon nanotube bundles. <i>Chemical Physics</i> , 2006, 328, 318-323.	1.9	7
86	Investigations of guest-modulated ordering temperatures in open-framework 3D porous magnets. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 465-467.	2.7	7
87	Muon spin relaxation study of manganese hydroxy squarate. <i>Inorganica Chimica Acta</i> , 2008, 361, 3718-3722.	2.4	7
88	Synthesis of an optically clear, flexible and stable hybrid ureasilicate matrix doped with CdSe nanoparticles produced by reverse micelles. <i>Materials Chemistry and Physics</i> , 2014, 147, 86-94.	4.0	7
89	Synthesis and characterization of organic-inorganic hybrid materials prepared by sol-gel and containing CdS nanoparticles prepared by a colloidal method using poly(N-vinyl-2-pyrrolidone). <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 69-78.	2.4	7
90	Defect Engineering for Efficient $\text{Cu}_2\text{ZnSnS}_4$ Solar Cells via Moisture-Assisted Post-Deposition Annealing. <i>Advanced Optical Materials</i> , 0, , 2200607.	7.3	7

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91	Dynamics and Lithium Binding Energies of Polyelectrolytes Based on Functionalized Poly(para-phenylene terephthalamide). <i>Journal of Physical Chemistry B</i> , 2005, 109, 7705-7712.	2.6	6
92	Molecular dynamics of the self-organising strong hydrogen bonded 3,5-dimethylpyrazole. <i>New Journal of Chemistry</i> , 2006, 30, 425.	2.8	6
93	What Difference Does a Methyl Group Make: Pentamethylbenzene?. <i>ChemPhysChem</i> , 2014, 15, 3776-3781.	2.1	6
94	A low temperature reduction of CCl ₄ to solid and hollow carbon nanospheres using metallic sodium. <i>Materials Chemistry and Physics</i> , 2015, 154, 38-43.	4.0	6
95	Powder diffraction on a long-pulse spallation source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 451, 480-491.	1.6	5
96	Electronic Interaction in an Outer-Sphere Mixed-Valence Double Salt: A Polarized Neutron Diffraction Study of K ₃ (MnO ₄) ₂ . <i>Inorganic Chemistry</i> , 2004, 43, 7061-7067.	4.0	5
97	The observation of magnetic excitations in a single layered and a bilayered brownmillerite. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 99-104.	1.8	5
98	Simple Metal-catalyst-free Production of Carbon Nanostructures. <i>Australian Journal of Chemistry</i> , 2013, 66, 1435.	0.9	5
99	Versatile and scalable synthesis of graphene nanoribbons. <i>Materials Letters</i> , 2014, 119, 75-78.	2.6	5
100	Magnetic Phase Transitions in a Ni ₄ O ₄ @ Cubane-Based Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2020, 26, 7589-7594.	3.3	5
101	Increased Efficiency of Organic Solar Cells by Seeded Control of the Molecular Morphology in the Active Layer. <i>Solar Rrl</i> , 2022, 6, .	5.8	5
102	Hydrogen-bonding in the self-organising system 3,5-dimethylpyrazole. <i>New Journal of Chemistry</i> , 2001, 25, 1069-1072.	2.8	4
103	Determination of the nuclear structure and spin density distribution in the cyano-bridged molecular based magnet K ₂ Mn ₃ (H ₂ O) ₆ [Mo(CN) ₇] ₂ ·6H ₂ O. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 2001, 4, 105-112.	0.1	4
104	Analysis of quasielastic neutron scattering (QENS) data of discotic systems using different molecular dynamics (MD) models. <i>Physica B: Condensed Matter</i> , 2004, 350, E1003-E1005.	2.7	4
105	Towards polarization analysis on a thermal time-of-flight spectrometer. <i>Physica B: Condensed Matter</i> , 2005, 356, 146-149.	2.7	4
106	Engineering solvothermal reactions to produce multi-walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	4
107	Effect of acid or alkaline catalyst and of different capping agents on the optical properties of CdS nanoparticles incorporated within a diureasil hybrid matrix. <i>Optical Materials</i> , 2015, 49, 171-181.	3.6	4
108	Seeded Growth of Ultrathin Carbon Films Directly onto Silicon Substrates. <i>ACS Omega</i> , 2021, 6, 8829-8836.	3.5	4

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109	Simultaneous Fe ₃ O ₄ Nanoparticle Formation and Catalyst-Driven Hydrothermal Cellulose Degradation. ACS Omega, 2021, 6, 10790-10800.	3.5	4
110	Restricted proton mobility in the self-organising system 3,5-dimethylpyrazole. Physica B: Condensed Matter, 2000, 276-278, 308-309.	2.7	3
111	Observation of Magnetic Coupling Between Distant Metal Centers in K ₃ (MnO ₄) ₂ by Muon Spin Relaxation Measurements. ChemPhysChem, 2001, 2, 683-688.	2.1	3
112	Muon studies of simple oxalate systems. Physica B: Condensed Matter, 2003, 326, 85-88.	2.7	3
113	Enhancement of rare-earth ³⁺ transition-metal exchange interaction in Pr ₂ Fe ₁₇ probed by inelastic neutron scattering. Applied Physics Letters, 2004, 85, 4097-4099.	3.3	3
114	Collective excitations in Ni ₆₂ Nb ₃₈ glass from partial scattering functions. Physica B: Condensed Matter, 2004, 350, E1103-E1106.	2.7	3
115	Vibrational spectra of Ti ⁴⁺ Zr ⁴⁺ Si metallic glasses. Physica B: Condensed Matter, 2004, 350, E1107-E1110.	2.7	2
116	Propagating vibrational modes in the Zr ⁴⁺ Be metallic glasses. Journal of Physics Condensed Matter, 2008, 20, 104241.	1.8	2
117	Collective High Frequency Motions in Liquid Deuterium Fluoride. Zeitschrift Fur Physikalische Chemie, 2008, 222, 1551-1558.	2.8	2
118	Non-classical behaviour in an $S = 5/2$ chain with next nearest neighbour interactions observed from the inelastic neutron scattering of Mn ₂ (OD) ₂ (C ₄ O ₄). Journal of Physics Condensed Matter, 2009, 21, 076003.	1.8	2
119	Dispersive kinetics in discotic liquid crystals. Physical Review E, 2010, 82, 051703.	2.1	2
120	Understanding the packing in the 1:1 molecular complex 1,3,5-tricyanobenzene ⁺ hexamethylbenzene ⁻ by probing lattice modes. CrystEngComm, 2015, 17, 3787-3792.	2.6	2
121	Dynamics of the frustrated spin in the low dimensional magnet Co ₃ (OH) ₂ (C ₄ O ₄) ₂ . Journal of Physics Condensed Matter, 2016, 28, 126005.	1.8	2
122	Magnetic Properties of the Distorted Kagomé Lattice Mn ₃ (1,2,4-(O ₂ C) ₃ C ₆ H ₃) ₂ . Inorganic Chemistry, 2017, 56, 7851-7860.	4.0	2
123	Oxygen substitution and sulfur vacancies in NaBiS ₂ : a Pb-free candidate for solution processable solar cells. , 2017, , .		2
124	Insight into the growth behaviors of MoS ₂ nanograins influenced by step edges and atomic structure of the substrate. Nano Research, 2022, 15, 7646-7654.	10.4	2
125	Letter: Comment on the intensities of inelastic neutron scattering spectra. Dalton Transactions RSC, 2001, , 2435-2436.	2.3	1
126	Inelastic neutron scattering study of magnetic excitations in uranium phosphates. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E203-E204.	2.3	1

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127	Origin of Heterogeneous Relaxation in a Random Liquid Crystal Thermoset Copolyester. <i>Macromolecules</i> , 2004, 37, 9855-9860.	4.8	1
128	The thermal time-of-flight spectrometer IN4 with the forward scattering detector. <i>Journal of Neutron Research</i> , 2006, 14, 353-359.	1.1	1
129	The assets of crystal monochromator-Fermi chopper time-of-flight on continuous sources - potential for high efficiency PASTIS operation. <i>Journal of Neutron Research</i> , 2007, 15, 95-104.	1.1	1
130	Dispersion of acoustic-like and optic-like vibrational excitations in Ni ₂ B metallic glass. <i>Crystallography Reports</i> , 2007, 52, 471-473.	0.6	1
131	Catalyst-free solvothermal synthesis of carbon nanotubes. , 2008, , .		1
132	Inelastic neutron scattering study of Pr ₂ Co ₁₂ Fe ₅ . <i>Journal of Physics Condensed Matter</i> , 2008, 20, 104222.	1.8	1
133	A three-dimensional metal-organic framework showing long-range magnetic ordering. , 2010, , .		1
134	Dispersion relation of low-energy excitations in Zr ₅₀ Be ₅₀ metallic glass. <i>Journal of Surface Investigation</i> , 2011, 5, 409-411.	0.5	1
135	Observation of the collective vibrational modes in Ni ₄₂ Nb ₅₈ metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 3188-3191.	3.1	0
136	The purification of chemically synthesized graphene. , 2008, , .		0
137	Conducting polymer discotic hybrids for organic semiconductor applications. , 2010, , .		0
138	Superhydrophobic carbon onion coatings. , 2010, , .		0
139	The controlled engineering of photocatalyst nanostructures. , 2010, , .		0
140	$NaYF_4:Er^{3+}$ nanocrystal films as a spectral converter to improve photoconversion efficiency of crystalline silicon solar cells. , 2013, , .		0
141	The investigation of optical properties of water soluble quantum dots in a quantum dot-antibody conjugated compound. , 2014, , .		0
142	Phase transformations in CdSe quantum dots induced by reaction time. <i>Materials Letters</i> , 2015, 141, 67-69.	2.6	0
143	Achirality in the low temperature structure and lattice modes of tris(acetylacetonate)iron(III). <i>Dalton Transactions</i> , 2016, 45, 8278-8283.	3.3	0
144	Neutron Scattering in Coordination Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1057-1059.	2.0	0

#	ARTICLE	IF	CITATIONS
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