

Quanjun Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4654487/publications.pdf>

Version: 2024-02-01

82
papers

1,815
citations

257357

24
h-index

330025

37
g-index

83
all docs

83
docs citations

83
times ranked

2351
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Synthesis of CeO ₂ /Graphene Nanocomposites with Highly Enhanced Optical and Catalytic Properties. Journal of Physical Chemistry C, 2012, 116, 11741-11745.	1.5	198
2	Ultrahard bulk amorphous carbon from collapsed fullerene. Nature, 2021, 599, 599-604.	13.7	99
3	Enhanced Photoluminescence and Photoresponsiveness of Eu ³⁺ Ions-Doped CsPbCl ₃ Perovskite Quantum Dots under High Pressure. Advanced Functional Materials, 2021, 31, 2100930.	7.8	71
4	Pressure-Induced Amorphization and Polyamorphism in One-Dimensional Single-Crystal TiO ₂ Nanomaterials. Journal of Physical Chemistry Letters, 2010, 1, 309-314.	2.1	68
5	Synthesis of High-Density Nanocavities inside TiO ₂ Nanoribbons and Their Enhanced Electrochemical Lithium Storage Properties. Inorganic Chemistry, 2008, 47, 9870-9873.	1.9	62
6	Morphology-Tuned Phase Transitions of Anatase TiO ₂ Nanowires under High Pressure. Journal of Physical Chemistry C, 2013, 117, 8516-8521.	1.5	45
7	Rotational dynamics of confined C ₆₀ from near-infrared Raman studies under high pressure. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22135-22138.	3.3	43
8	Synthesis of ZnS nanocrystals with controllable structure and morphology and their photoluminescence property. Nanotechnology, 2007, 18, 255602.	1.3	42
9	Effect of Grain Size on Pressure-Induced Structural Transition in Mn ₃ O ₄ . Journal of Physical Chemistry C, 2012, 116, 2165-2171.	1.5	41
10	Molecular insertion regulates the donor-acceptor interactions in cocrystals for the design of piezochromic luminescent materials. Nature Communications, 2021, 12, 4084.	5.8	41
11	Facile hydrothermal synthesis of CeO ₂ nanosheets with high reactive exposure surface. Journal of Alloys and Compounds, 2011, 509, 6720-6724.	2.8	37
12	Ethylene glycol-mediated synthesis of nanoporous anatase TiO ₂ rods and rutile TiO ₂ self-assembly chrysanthemums. Journal of Alloys and Compounds, 2009, 471, 477-480.	2.8	36
13	High-Pressure Studies on CeO ₂ Nano-Octahedrons with a (111)-Terminated Surface. Journal of Physical Chemistry C, 2011, 115, 4546-4551.	1.5	34
14	Critical phenomena of magnetization, magnetocaloric effect, and superparamagnetism in nanoparticles of non-stoichiometric manganite. Journal of Alloys and Compounds, 2020, 836, 155440.	2.8	34
15	Reversible Polymerization in Doped Fullerides Under Pressure: The Case Of C ₆₀ (Fe(C ₅ H ₅) ₂) ₂ . Journal of Physical Chemistry B, 2012, 116, 2643-2650.	1.2	33
16	Origin of the multiple charge density wave order in TaTe_2 . Physical Review B, 2020, 101, .	4.1	33
17	Structural phase transition and photoluminescence properties of YF ₃ and YF ₃ :Eu ³⁺ under high pressure. Physical Chemistry Chemical Physics, 2013, 15, 19925.	1.3	32
18	Pressure-Induced Phase Transitions of C ₇₀ Nanotubes. Journal of Physical Chemistry C, 2011, 115, 8918-8922.	1.5	31

#	ARTICLE	IF	CITATIONS
19	Shape-selective synthesis and optical performance of ceria nanocrystal/graphene hybrid composites. CrystEngComm, 2013, 15, 3739.	1.3	30
20	A New Carbon Phase Constructed by Long-Range Ordered Carbon Clusters from Compressing C_{70} Solvates. Advanced Materials, 2014, 26, 7257-7263.	11.1	29
21	Structural Phase Transition and Photoluminescence Properties of $YF_3 \cdot Eu^{3+}$ Nanocrystals under High Pressure. Journal of Physical Chemistry C, 2014, 118, 22739-22745.	1.5	29
22	Structural phase transition and superconductivity hierarchy in 1T-TaS ₂ under pressure up to 100 GPa. Npj Quantum Materials, 2021, 6, .	1.8	29
23	The Study of Structural Transition of ZnS Nanorods under High Pressure. Journal of Physical Chemistry C, 2011, 115, 357-361.	1.5	28
24	Multifunctionality of lanthanum-strontium manganite nanopowder. Physical Chemistry Chemical Physics, 2020, 22, 11817-11828.	1.3	28
25	Solvothermal synthesis of monodisperse self-assembly CeO ₂ nanospheres and their enhanced blue-shifting in ultraviolet absorption. Journal of Alloys and Compounds, 2010, 503, 519-524.	2.8	24
26	Record-High Superconductivity in Transition Metal Dichalcogenides Emerged in Compressed $2H-TaS_2$. Advanced Materials, 2022, 34, e2103168.	11.1	24
27	Influence of post-annealing, defect chemistry and high pressure on the magnetocaloric effect of non-stoichiometric La _{0.8} -K _{0.2} Mn _{1+O3} compounds. Ceramics International, 2021, 47, 24553-24563.	2.3	21
28	Synthesis and Electrochemical Properties of TiO ₂ @B@C Core-Shell Nanoribbons. Crystal Growth and Design, 2008, 8, 1812-1814.	1.4	20
29	One-step synthesis, growth mechanism and photoluminescence properties of hollow GeO ₂ walnuts. CrystEngComm, 2011, 13, 979-984.	1.3	20
30	Pressure-dependent optical behaviors of colloidal CdSe nanoplatelets. Nanoscale, 2015, 7, 8835-8842.	2.8	20
31	Pressure-induced metallization and amorphization in V_2O_5 . Physical Review B, 2015, 92, 080402.	1.1	20
32	Linear Tunability of the Band Gap and Two-Dimensional (2D) to Three-Dimensional (3D) Isostructural Transition in WSe_2 under High Pressure. Journal of Physical Chemistry C, 2017, 121, 26019-26026.	1.5	20
33	Stability and phase transition of nanoporous rutile TiO ₂ under high pressure. RSC Advances, 2012, 2, 9052.	1.7	19
34	X-ray diffraction of cubic Gd ₂ O ₃ /Er under high pressure. Physica Status Solidi (B): Basic Research, 2011, 248, 1123-1127.	0.7	18
35	Pressure-Induced Amorphization in Gd_2O_3/Er^{3+} Nanorods. Journal of Physical Chemistry C, 2013, 117, 8503-8508.	1.5	18
36	High-pressure Raman study on CeO ₂ nanospheres self-assembled by 5 nm CeO ₂ nanoparticles. Physica Status Solidi (B): Basic Research, 2011, 248, 1154-1157.	0.7	17

#	ARTICLE	IF	CITATIONS
37	Pressure-induced phase transitions of TiO ₂ nanosheets with high reactive {001} facets. RSC Advances, 2014, 4, 12873-12877.	1.7	17
38	Excellent Carrier Transport Property of Hybrid Perovskites Sustained under High Pressures. ACS Energy Letters, 2022, 7, 154-161.	8.8	17
39	Simple Synthesis and Luminescence Characteristics of PVP-Capped GeO ₂ Nanoparticles. Journal of Nanomaterials, 2011, 2011, 1-5.	1.5	16
40	Electrical Voltage Control of the Pressure-Induced Spin Transition at Room Temperature in the Microporous 3D Polymer [Fe(pz)Pt(CN) ₄]. Journal of Physical Chemistry C, 2019, 123, 5642-5646.	1.5	16
41	Pressure Engineering for Extending Spectral Response Range and Enhancing Photoelectric Properties of Iodine. Advanced Optical Materials, 2021, 9, 2101163.	3.6	16
42	Pressure Tunable Electronic Bistability in Fe(II) Hofmann-like Two-Dimensional Coordination Polymer [Fe(Fpz) ₂ Pt(CN) ₄]: A Comprehensive Experimental and Theoretical Study. Inorganic Chemistry, 2021, 60, 16016-16028.	1.9	16
43	High pressure and high temperature induced polymerization of C60 nanotubes. CrystEngComm, 2011, 13, 3600.	1.3	14
44	The structural transition behavior of CdSe/ZnS core/shell quantum dots under high pressure. Physica Status Solidi (B): Basic Research, 2011, 248, 1149-1153.	0.7	14
45	High pressure behaviors of nanoporous anatase TiO ₂ . Materials Research Bulletin, 2012, 47, 1396-1399.	2.7	14
46	Nanosize effects assisted synthesis of the high pressure metastable phase in ZrO ₂ . Nanoscale, 2016, 8, 2412-2417.	2.8	14
47	Morphology-Tuned Phase Transitions of Horseshoe Shaped BaTiO ₃ Nanomaterials under High Pressure. Journal of Physical Chemistry C, 2018, 122, 5188-5194.	1.5	14
48	Reversible pressure-induced polymerization of Fe(C ₅ H ₅) ₂ doped C70. Carbon, 2013, 62, 447-454.	5.4	13
49	High pressure synthesis of amorphous TiO ₂ nanotubes. AIP Advances, 2015, 5, 097128.	0.6	13
50	The pressure-induced metallization of monoclinic vanadium dioxide. RSC Advances, 2016, 6, 104949-104954.	1.7	13
51	Photoluminescence Up-conversion of CdSe/ZnS Core/shell Quantum Dots under High Pressure. Journal of Physical Chemistry C, 2009, 113, 4737-4740.	1.5	12
52	Pressure-induced phase transitions and insulator-metal transitions in VO ₂ nanoparticles. Journal of Alloys and Compounds, 2017, 709, 260-266.	2.8	12
53	Variable Cooperative Interactions in the Pressure and Thermally Induced Multistep Spin Transition in a Two-Dimensional Iron(II) Coordination Polymer. Inorganic Chemistry, 2020, 59, 10548-10556.	1.9	12
54	Semiconductor-to-metal transition in HfSe ₂ under high pressure. Journal of Alloys and Compounds, 2021, 867, 158923.	2.8	12

#	ARTICLE	IF	CITATIONS
55	The control of the morphologies, structures and photoluminescence properties of C70 nano/microcrystals with different trichlorobenzene isomers. CrystEngComm, 2014, 16, 3284.	1.3	10
56	Observation of 9-Fold Coordinated Amorphous TiO ₂ at High Pressure. Journal of Physical Chemistry Letters, 2020, 11, 374-379.	2.1	10
57	Solvothermal synthesis of ZnS nanorods and their pressure modulated photoluminescence spectra. Journal of Physics Condensed Matter, 2007, 19, 425227.	0.7	9
58	Raman Scattering Study of AlN Nanowires under High Pressure. Journal of Physical Chemistry C, 2010, 114, 8241-8244.	1.5	9
59	Pressure-induced amorphization in orthorhombic Ta2O5: An intrinsic character of crystal. Journal of Applied Physics, 2014, 115, .	1.1	9
60	Raman and IR spectroscopic characterization of molybdenum disulfide under quasi-hydrostatic and non-hydrostatic conditions. Physica Status Solidi (B): Basic Research, 2017, 254, 1600798.	0.7	9
61	Size and morphology effects on the high pressure behaviors of Mn ₃ O ₄ nanorods. Nanoscale Advances, 2020, 2, 5841-5847.	2.2	9
62	Synchrotron X-ray Diffraction and Infrared Spectroscopy Studies of C ₆₀ H ₁₈ under High Pressure. Journal of Physical Chemistry Letters, 2010, 1, 714-719.	2.1	8
63	Origin of the large magnetoresistance in the candidate chiral superconductor Sr_2VO_4 . Physical Review B, 2020, 102, .	1.1	8
64	Synthesis of TiO ₂ @C core-shell nanostructures with various crystal structures by hydrothermal and postheat treatments. Journal of Materials Research, 2013, 28, 449-453.	1.2	7
65	Structural Deformation of Sm@C88 under High Pressure. Scientific Reports, 2015, 5, 13398.	1.6	7
66	Pressure induced transformation and subsequent amorphization of monoclinic Nb ₂ O ₅ and its effect on optical properties. Journal of Physics Condensed Matter, 2019, 31, 105401.	0.7	7
67	Effects of pressure on the structure and properties of layered ferromagnetic Cr ₂ Ge ₂ Te ₆ . Physica B: Condensed Matter, 2020, 595, 412344.	1.3	7
68	Effects of hydrothermal conditions on the morphology and phase composition of synthesized TiO ₂ nanostructures. Physica B: Condensed Matter, 2014, 445, 42-47.	1.3	6
69	High pressure phase transition of ZnO/SiO ₂ core/shell nanospheres. Journal of Applied Physics, 2013, 113, 054314.	1.1	5
70	Structural Stability and Deformation of Solvated Sm@C ₂ (42)-C ₉₀ under High Pressure. Scientific Reports, 2016, 6, 31213.	1.6	5
71	Optical properties and structural phase transitions of W-doped VO ₂ (R) under pressure. RSC Advances, 2017, 7, 31597-31602.	1.7	5
72	Retainable Superconductivity and Structural Transition in 1T-TaSe ₂ Under High Pressure. Inorganic Chemistry, 2021, 60, 11385-11393.	1.9	5

#	ARTICLE	IF	CITATIONS
73	Size and Shapeâ€™s Effects on the High-Pressure Behavior of WS ₂ Nanomaterials. <i>Materials</i> , 2022, 15, 2838.	1.3	5
74	Pressure-Driven Abnormal Emission Blue-Shift of Lead-Free Halide Double Perovskite Cs ₂ AgInCl ₆ Nanocrystals. <i>Inorganic Chemistry</i> , 2022, 61, 6488-6492.	1.9	5
75	Evolution of self-trapped exciton emission tuned by high pressure in 2D all-inorganic cesium lead halide nanosheets. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8711-8718.	2.7	5
76	Synthesis of alkali-metal-doped C ₆₀ nanotubes. <i>Diamond and Related Materials</i> , 2011, 20, 93-96.	1.8	4
77	Pressure-Induced Reversible Phase Transitions in a New Metastable Phase of Vanadium Dioxide. <i>Journal of Physical Chemistry C</i> , 2019, 123, 955-962.	1.5	4
78	Synthesis and solid-state studies of self-assembled C ₆₀ microtubes. <i>Diamond and Related Materials</i> , 2011, 20, 178-182.	1.8	3
79	Pressure-Induced Electronic and Structural Transition in Nodal-Line Semimetal ZrSiSe. <i>Inorganic Chemistry</i> , 2021, 60, 11140-11146.	1.9	2
80	Structural Evolution of D _{5h} (1)-C ₉₀ under High Pressure: A Mediate Allotrope of Nanocarbon from Zero-Dimensional Fullerene to One-Dimensional Nanotube. <i>Chinese Physics Letters</i> , 2022, 39, 056101.	1.3	2
81	Realization of pressure induced emission enhancement for rare earth luminescent materials: Adopting delta-doped structure. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157882.	2.8	1
82	Pressure and Thermally Induced Spin Crossover in a 2D Iron(II) Coordination Polymer {Fe[bipy(ttr) ₂]} _n . , 2021, , .		0