

# Li Lei

## List of Publications by Year in descending order

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63  
papers

1,150  
citations

430874

18  
h-index

414414

32  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite-type $\text{SrVO}_3$ as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2107262.	21.0	29
2	Evidence for a High-Pressure Isostructural Transition in Nitrogen. <i>Chinese Physics Letters</i> , 2022, 39, 026401.	3.3	4
3	Equation of state for generalized pressure. <i>Physical Review B</i> , 2022, 105, .	3.2	3
4	The solubility behavior of NaCl in water at high pressure studied by neutron diffraction and Raman scattering. <i>High Pressure Research</i> , 2021, 41, 39-51.	1.2	1
5	The effect of interstitial-site nitrogen on structural, elastic, and magnetic properties of face-center cubic Co. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	4
6	Coupling behavior between lattice dynamics and Li self-diffusion in layered $\hat{\Gamma}$ -LiAlO <sub>2</sub> ceramic. <i>Ceramics International</i> , 2021, 47, 14587-14593.	4.8	2
7	Pressure-induced disordering of site occupation in iron-nickel nitrides. <i>Matter and Radiation at Extremes</i> , 2021, 6, .	3.9	10
8	Observation of specific optical phonon modes dominating Li ion diffusion in $\hat{\Gamma}$ -LiAlO <sub>2</sub> ceramic. <i>Ceramics International</i> , 2021, 47, 17980-17985.	4.8	4
9	The coupling of lattice-strain and phonon induced order-disorder phase transition in layered LiGaO <sub>2</sub> . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 407, 127464.	2.1	1
10	High-pressure synthesis of TaN compacts with high hardness and thermal stability. <i>Ceramics International</i> , 2021, 47, 30039-30042.	4.8	1
11	Ferromagnetic correlation in hydrogen doped highly oriented pyrolytic graphite. <i>Diamond and Related Materials</i> , 2020, 109, 108030.	3.9	3
12	Evidence for a New Extended Solid of Nitrogen*. <i>Chinese Physics Letters</i> , 2020, 37, 068101.	3.3	18
13	Synthesis of Visible-Light-Driven SrAl <sub>2</sub> O <sub>4</sub> -Based Photocatalysts Using Surface Modification and Ion Doping. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 1234-1247.	0.6	22
14	Raman spectroscopy and phase stability of $\hat{\Gamma}$ -N <sub>2</sub> . <i>Solid State Communications</i> , 2020, 310, 113843.	1.9	4
15	Raman spectroscopy and X-ray diffraction of pressure-induced reversible structure change in K <sub>2</sub> OsO <sub>2</sub> (OH) <sub>4</sub> . <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1240-1247.	2.5	4
16	Rapid synthesis of thermoelectric SnSe thin films by MPCVD. <i>RSC Advances</i> , 2020, 10, 11990-11993.	3.6	17
17	Temperature-dependent c-axis lattice-spacing reduction and novel structural recrystallization in carbon nano-onions filled with Fe <sub>3</sub> C/Fe nanocrystals. <i>Nano Express</i> , 2020, 1, 020016.	2.4	6
18	Magnetic moment manipulation in hydrogen-peroxide-doped grafoil, pyrolytic graphite and Fe <sub>3</sub> C-filled multiwall carbon nanotubes. <i>Nano Express</i> , 2020, 1, 030027.	2.4	0

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19	Raman study of nonhydrostatic pressure-induced phase transitions in monoclinic Lâ€spartic acid crystals. Journal of Raman Spectroscopy, 2019, 50, 1205-1216.	2.5	2
20	Highâ€pressure Raman spectroscopy of CeOCl: Observation of the isostructural phase transition. Journal of Raman Spectroscopy, 2019, 50, 1962-1968.	2.5	5
21	Ferromagnetic hysteresis and structural recrystallization in turbostratic graphite. Materials Research Express, 2019, 6, 105612.	1.6	5
22	Pressure-Induced Structural Phase Transformation and Yield Strength of AlN. Journal of Physical Chemistry C, 2019, 123, 28437-28442.	3.1	4
23	Hysteresis effect in pressure-induced B4-B1 phase transition of ZnO. Materials Research Express, 2019, 6, 126502.	1.6	3
24	Enhancing the pressure limitation in large-volume Bridgman-anvil cell used for in situ neutron diffraction. High Pressure Research, 2019, 39, 655-665.	1.2	8
25	Insight into the optical, color, photoluminescence properties, and photocatalytic activity of the Nâ€O and Câ€O functional groups decorating spinel type magnesium aluminate. CrystEngComm, 2019, 21, 263-277.	2.6	74
26	Raman study of pressure-induced dissociative transitions in nitrogen. Solid State Communications, 2019, 298, 113645.	1.9	9
27	Abnormal physical behaviors of hafnium diboride under high pressure. Applied Physics Letters, 2019, 115, .	3.3	15
28	Synthesis and Characterization of BaAl<sub>2</sub>O<sub>4</sub> Catalyst and its Photocatalytic Activity Towards Degradation of Methylene Blue Dye. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1161-1181.	2.8	34
29	Melting temperature of diamond and cubic boron nitride at 15 gigapascals. Physical Review Research, 2019, 1, .	3.6	8
30	A new route for the preparation of CoAl2O4 nanoblue pigments with high uniformity and its optical properties. Journal of Sol-Gel Science and Technology, 2018, 86, 206-216.	2.4	40
31	Neutron diffraction study of the structural and magnetic properties of Îµ-Fe3N1.098 and Îµ-Fe2.322Co0.678N0.888. Journal of Alloys and Compounds, 2018, 752, 99-105.	5.5	13
32	Reciprocating Compression of ZnO Probed by X-ray Diffraction: The Size Effect on Structural Properties under High Pressure. Inorganic Chemistry, 2018, 57, 5380-5388.	4.0	7
33	High-Pressure Synthesis of CeOCl Crystals and Investigation of Their Photoluminescence and Compressibility Properties. Crystal Growth and Design, 2018, 18, 1843-1847.	3.0	5
34	Strengthening effects of interstitial nitrogen on rhenium. Journal of Applied Physics, 2018, 123, .	2.5	9
35	Superstrong micro-grained polycrystalline diamond compact through work hardening under high pressure. Applied Physics Letters, 2018, 112, .	3.3	25
36	Pressure induced solid-solid reconstructive phase transition in <math>LiGaO_2</math> dominated by elastic strain. Physical Review B, 2018, 97, .	3.2	10

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37	Neutron powder diffraction and high-pressure synchrotron x-ray diffraction study of tantalum nitrides. Chinese Physics B, 2018, 27, 026201.	1.4	6
38	Recent advance in high-pressure solid-state metathesis reactions. Matter and Radiation at Extremes, 2018, 3, 95-103.	3.9	23
39	Anomalous compression behavior of $\sim 12$ nm nanocrystalline TiO <sub>2</sub> . Journal of Applied Physics, 2017, 121, .	2.5	5
40	Synthesis and characterization of spherical-like bulk $\mu$ -Fe <sub>3</sub> Co N ( $x = 0.0, 0.25, 1.95$ ). Materials Chemistry and Physics, 2017, 197, 94-99.	4.0	4
41	Preparation of superhard cubic boron nitride sintered from commercially available submicron powders. Journal of Applied Physics, 2017, 121, .	2.5	18
42	Micro-stress dominant displacive reconstructive transition in lithium aluminate. Applied Physics Letters, 2016, 109, .	3.3	8
43	Effects of substitution, pressure, and temperature on the phonon mode in layered-rocksalt-type Li(1-x)/2Ga(1-x)/2Zn <sub>x</sub> O ( $x = 0.036 - 0.515$ ) alloys. Journal of Applied Physics, 2015, 118, 185903.	2.5	5
44	High-pressure Raman spectroscopy of Re <sub>3</sub> N crystals. Solid State Communications, 2015, 201, 107-110.	1.9	12
45	A comparative study of ZnAl <sub>2</sub> O <sub>4</sub> nanoparticles synthesized from different aluminum salts for use as fluorescence materials. Scientific Reports, 2015, 5, 12849.	3.3	124
46	Enhanced hardness of CVD diamond after high pressure and high-temperature treatments. High Pressure Research, 2015, 35, 363-371.	1.2	2
47	High-pressure x-ray diffraction study of YBO <sub>3</sub> /Eu <sup>3+</sup> , GdBO <sub>3</sub> , and EuBO <sub>3</sub> : Pressure-induced amorphization in GdBO <sub>3</sub> . Journal of Applied Physics, 2014, 115, .	2.5	14
48	Pressure transmitting medium-dependent structure stability of nanoanatase TiO <sub>2</sub> under high pressure. High Pressure Research, 2014, 34, 259-265.	1.2	7
49	High pressure synthesis and properties studies on spherical bulk $\mu$ -Fe <sub>3</sub> N. High Pressure Research, 2014, 34, 317-326.	1.2	19
50	Li ion diffusion in LiAlO <sub>2</sub> investigated by Raman spectroscopy. Solid State Sciences, 2014, 37, 103-107.	3.2	29
51	Unusual Compression Behavior of Nanocrystalline CeO <sub>2</sub> . Scientific Reports, 2014, 4, 4441.	3.3	21
52	Synthetic Route to Metal Nitrides: High-Pressure Solid-State Metathesis Reaction. Inorganic Chemistry, 2013, 52, 13356-13362.	4.0	44
53	High-pressure Raman spectroscopy study of LiGaO <sub>2</sub> . Solid State Communications, 2013, 164, 6-10.	1.9	15
54	High-pressure synthesis and in-situ high pressure x-ray diffraction study of cadmium tetraphosphide. Journal of Applied Physics, 2013, 113, 053507.	2.5	5

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55	Disorder-activated Raman spectra of cubic rocksalt-type $\text{Li}_{1-x}\text{Ga}_{1-x}\text{M}_x\text{O}$ ( $\text{M} = \text{Mg}, \text{Zn}$ ) alloys. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	16
56	GaN crystals prepared through solid-state metathesis reaction from $\text{NaGaO}_2$ and BN under high pressure and high temperature. <i>Journal of Alloys and Compounds</i> , 2011, 509, L124-L127.	5.5	22
57	Cation order-disorder phase transitions in $\text{LiGaO}_2$ : Observation of the pathways of ternary wurtzite under high pressure. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	16
58	High-pressure and high-temperature sintering of nanostructured bulk NiAl materials. <i>Journal of Materials Research</i> , 2009, 24, 2089-2096.	2.6	25
59	Pressure calibration for the cubic press by differential thermal analysis and the high-pressure fusion curve of aluminum. <i>High Pressure Research</i> , 2009, 29, 806-814.	1.2	40
60	Synthesis of GaN Crystals Through Solid-State Metathesis Reaction Under High Pressure. <i>Crystal Growth and Design</i> , 2009, 9, 1264-1266.	3.0	34
61	Is Rhenium Diboride a Superhard Material?. <i>Advanced Materials</i> , 2008, 20, 4780-4783.	21.0	175
62	Phase transitions of $\text{LiAlO}_2$ at high pressure and high temperature. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1810-1815.	2.9	52
63	High-pressure Raman study of osmium and rhenium up to 200 GPa and pressure dependent elastic shear modulus C 44. <i>Chinese Physics B</i> , 0, , .	1.4	0