

Mi Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

557
citations

759233

12
h-index

677142

22
g-index

44
all docs

44
docs citations

44
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Temperature Superconducting Phase in Clathrate Calcium Hydride $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{display}=\text{"inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{CaH} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle$ up to 215ÅK at a Pressure of 172ÅGPa. Physical Review Letters, 2022, 128, 167001.	7.8	149
2	Pressure-Induced Irreversible Phase Transition in the Energetic Material Urea Nitrate: Combined Raman Scattering and X-ray Diffraction Study. Journal of Physical Chemistry C, 2013, 117, 152-159.	3.1	39
3	Stimulated Raman scattering from ice-VIII by shock-induced compression in liquid water. Physical Review B, 2012, 85, .	3.2	31
4	Pressure-Induced Phase Transitions in Ammonium Squarate: A Supramolecular Structure Based on Hydrogen-Bonding and π -Stacking Interactions. Journal of Physical Chemistry B, 2011, 115, 8981-8988.	2.6	28
5	Pressure-induced isostructural phase transition of a metal-organic framework $\text{Co}_2(4,4\text{-bpy})_3(\text{NO}_3)_4 \cdot x\text{H}_2\text{O}$. CrystEngComm, 2014, 16, 4084-4087.	2.6	28
6	Study of high-pressure Raman intensity behavior of aromatic hydrocarbons: Benzene, biphenyl and naphthalene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 526-531.	3.9	26
7	Structural Properties and Halogen Bonds of Cyanuric Chloride under High Pressure. Journal of Physical Chemistry B, 2011, 115, 4639-4644.	2.6	21
8	Aluminum-doped lead-free double perovskite $\text{Cs}_2\text{AgBiCl}_6$ nanocrystals with ultrahigh stability towards white light emitting diodes. Materials Research Bulletin, 2022, 147, 111645.	5.2	21
9	Effect of the structural order of all-trans-carotene on the Raman scattering cross section at low concentrations. Journal of Raman Spectroscopy, 2010, 41, 1650-1654.	2.5	15
10	Study of asymmetric wavenumber shift of the Fermi doublet $\nu_{1/2}$ and $\nu_{2/2}$ in the Raman spectrum of liquid carbon disulfide. Journal of Raman Spectroscopy, 2010, 41, 776-779.	2.5	13
11	Experimental clathrate superhydrides EuH_6 and EuH_9 at extreme pressure conditions. Physical Review Research, 2021, 3, .	3.6	13
12	Disproportionation of SO_2 at High Pressure and Temperature. Physical Review Letters, 2022, 128, 106001.	3.3	12
13	Estimating the pressure of laser-induced plasma shockwave by stimulated Raman shift of lattice translational modes. Applied Physics Letters, 2012, 101, .	3.3	12
14	Raman spectroscopic studies on p-terphenyl under high pressure. Chemical Physics Letters, 2014, 615, 1-5.	2.6	12
15	Design and synthesis of clathrate LaB_8 with superconductivity. Physical Review B, 2021, 104, .	3.2	12
16	Unraveling the effect of shell thickness on charge injection in blue quantum-dot light-emitting diodes. Applied Physics Letters, 2021, 119, .	3.3	12
17	Investigation of hydrogen bond in binary mixture (pyridine+propionic acid) by spectroscopy and DFT calculations. Chemical Physics Letters, 2011, 516, 244-249.	2.6	11
18	The phase stability of terephthalic acid under high pressure. Chemical Physics Letters, 2017, 689, 56-61.	2.6	10

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19	Pressure-induced Fermi resonance between fundamental modes in 7,7,8-tricyanoquinodimethane. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1127-1131.	2.5	10
20	Molecular Spring Washers: Raman Scattering Studies on Tpp J-Aggregates under High Pressure. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15562-15568.	2.6	8
21	Orientation change of porphyrin in aggregate caused by counterion. <i>Vibrational Spectroscopy</i> , 2009, 49, 7-13.	2.2	7
22	Carbon Disulfide Assisted Polymerization of Benzene. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2414-2419.	2.6	7
23	Anharmonic coupling between fundamental modes in tetramethylurea. <i>Journal of Chemical Physics</i> , 2014, 140, 164310.	3.0	7
24	Lowering the symmetry group of carbon tetrachloride by high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2113-2117.	1.5	6
25	Phase transition of HMX and RDX by low wavenumber Raman vibrations under high pressure. <i>Journal of Molecular Liquids</i> , 2021, 336, 116177.	4.9	6
26	High pressure investigations on TTF-TCNQ charge-transfer complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120541.	3.9	6
27	Pressure-stabilized high-energy-density material YN ₁₀ . <i>Journal of Physics Condensed Matter</i> , 2022, 34, 135403.	1.8	5
28	Investigation of aniline by high pressure Raman scattering spectroscopy and quantum chemical calculation. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	4
29	Stiffness Tunable Molecular Spring Washers: High-Pressure Raman Investigations on Porphyrin Self-Assemblies. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1790-1793.	2.6	3
30	High Pressure Spectroscopic Investigation on Proton Transfer in Squaric Acid and 4,4'-Bipyridine Co-crystal. <i>Scientific Reports</i> , 2017, 7, 4677.	3.3	3
31	Phase-Dominant Pressure-Induced Planar Molecular Conformation of <i>S</i> -Trioxane. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8911-8917.	2.6	2
32	High pressure Raman investigations on crystalline crotonic acid. <i>Optik</i> , 2016, 127, 3112-3116.	2.9	2
33	Covalent symmetrization of the hexagonal networks of trimesic acids at high pressure. <i>Optik</i> , 2016, 127, 5396-5399.	2.9	2
34	Pressure-induced structural transitions between successional superconducting phases in GeTe. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 355403.	1.8	2
35	Stability of Ca(OH) ₂ at Earth's deep lower mantle conditions. <i>Physical Review B</i> , 2021, 104, .	3.2	2
36	Synthesis of calcium polysulfides at high pressures. <i>Physical Review B</i> , 2021, 104, .	3.2	2

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37	Fluorescence-enhanced second harmonic normal Raman scattering in β -carotene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118494.	3.9	2
38	Pressure-induced phase transition of 1,4-dioxane: From twisted-boat- to chair conformer. <i>European Physical Journal D</i> , 2020, 74, 1.	1.3	2
39	High-pressure investigations on urea hydrogen peroxide. <i>Chemical Physics Letters</i> , 2022, 787, 139230.	2.6	2
40	Double Fermi resonance: High pressure Raman investigations on hexachloroethane. <i>Vibrational Spectroscopy</i> , 2017, 90, 63-68.	2.2	1
41	High-pressure-activated carbon tetrachloride decomposition. <i>Chinese Physics B</i> , 2014, 23, 023302.	1.4	0
42	Fermi resonance: A new way to investigate the planarization of p-quaterphenyl under high pressure. <i>Chemical Physics Letters</i> , 2020, 756, 137829.	2.6	0
43	Pressure-induced Fermi resonance between fundamental modes in phthalic anhydride. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 204002.	1.8	0