

Yongjae Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3373869/publications.pdf>

Version: 2024-02-01

199
papers

4,877
citations

94269

37
h-index

138251

58
g-index

217
all docs

217
docs citations

217
times ranked

5342
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Super-hydration and reduction of manganese oxide minerals at shallow terrestrial depths. <i>Nature Communications</i> , 2022, 13, 1942. | 5.8 | 5 |
| 2 | Pressure-Dependent Colossal Resistivity and Anomalous Optical Signatures in FeSbO ₄ . <i>Journal of Physical Chemistry C</i> , 2022, 126, 7630-7637. | 1.5 | 2 |
| 3 | Transformation of natural pollucite into hexacelsian under high pressure and temperature. <i>Physics and Chemistry of Minerals</i> , 2022, 49, . | 0.3 | 1 |
| 4 | The effects of errors in means, variances, and correlations on the mean-variance framework. <i>Quantitative Finance</i> , 2022, 22, 1893-1903. | 0.9 | 1 |
| 5 | A role for subducted albite in the water cycle and alkalinity of subduction fluids. <i>Nature Communications</i> , 2021, 12, 1155. | 5.8 | 6 |
| 6 | The stability of subducted glaucophane with the Earth's secular cooling. <i>Nature Communications</i> , 2021, 12, 1496. | 5.8 | 10 |
| 7 | XR collaboration beyond virtual reality: work in the real world. <i>Journal of Computational Design and Engineering</i> , 2021, 8, 756-772. | 1.5 | 25 |
| 8 | X-ray Free Electron Laser-Induced Synthesis of μ -Iron Nitride at High Pressures. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3246-3252. | 2.1 | 14 |
| 9 | Extremely Slow Diffusion of Argon Atoms in Clathrate Cages: Implications for Gas Storage in Solid Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7479-7488. | 3.2 | 8 |
| 10 | Atomic-scale mixing between MgO and H ₂ O in the deep interiors of water-rich planets. <i>Nature Astronomy</i> , 2021, 5, 815-821. | 4.2 | 10 |
| 11 | X-ray free electron laser heating of water and gold at high static pressure. <i>Communications Materials</i> , 2021, 2, . | 2.9 | 9 |
| 12 | Enhanced safety characteristics of SMART100 adopting passive safety systems. <i>Nuclear Engineering and Design</i> , 2021, 379, 111247. | 0.8 | 9 |
| 13 | Sparse and robust portfolio selection via semi-definite relaxation. <i>Journal of the Operational Research Society</i> , 2020, 71, 687-699. | 2.1 | 9 |
| 14 | Personalized goal-based investing via multi-stage stochastic goal programming. <i>Quantitative Finance</i> , 2020, 20, 515-526. | 0.9 | 16 |
| 15 | Achieving Portfolio Diversification for Individuals with Low Financial Sustainability. <i>Sustainability</i> , 2020, 12, 7073. | 1.6 | 4 |
| 16 | Low Melting Temperature of Anhydrous Mantle Materials at the Core-Mantle Boundary. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089345. | 1.5 | 15 |
| 17 | Pressure-induced assemblies and structures of graphitic-carbon sheet encapsulated Au nanoparticles. <i>Nanoscale</i> , 2020, 12, 17462-17469. | 2.8 | 3 |
| 18 | Pressure-Induced Enhancement of Broad-Band White Light Emission in Butylammonium Lead Bromide. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4131-4137. | 2.1 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Subnanosecond phase transition dynamics in laser-shocked iron. <i>Science Advances</i> , 2020, 6, eaaz5132. | 4.7 | 29 |
| 20 | Intense Reactivity in Sulfur-Hydrogen Mixtures at High Pressure under X-ray Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1828-1834. | 2.1 | 11 |
| 21 | Pressure-Induced Enhancement of Optical Properties in Indium Oxide Nanowires. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10244-10251. | 1.5 | 1 |
| 22 | Structural stability and guest occupation behavior of gamma-irradiated argon-loaded hydroquinone clathrates. <i>Radiation Physics and Chemistry</i> , 2020, 174, 108982. | 1.4 | 2 |
| 23 | Pressure-Induced Hydration and Formation of Bilayer Ice in Nacrite, a Kaolin-Group Clay. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 183-188. | 1.2 | 8 |
| 24 | Raman spectroscopic evidence of impurity-induced structural distortion in SmB ₆ . <i>Journal of Raman Spectroscopy</i> , 2019, 50, 1661-1671. | 1.2 | 16 |
| 25 | High-Pressure Phase Transitions of Morphologically Distinct Zn ₂ SnO ₄ Nanostructures. <i>ACS Omega</i> , 2019, 4, 10539-10547. | 1.6 | 9 |
| 26 | Universal Gas-Uptake Behavior of a Zeolitic Imidazolate Framework ZIF-8 at High Pressure. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25769-25774. | 1.5 | 10 |
| 27 | Redistribution of native defects and photoconductivity in ZnO under pressure. <i>RSC Advances</i> , 2019, 9, 4303-4313. | 1.7 | 15 |
| 28 | Carbonation of Chrysotile under Subduction Conditions. <i>Engineering</i> , 2019, 5, 490-497. | 3.2 | 1 |
| 29 | Effect of Pressure Treatment on the Specific Surface Area in Kaolin Group Minerals. <i>Crystals</i> , 2019, 9, 528. | 1.0 | 12 |
| 30 | Lifetime Financial Planning with Human Capital in Korea. <i>Journal of Korean Institute of Industrial Engineers</i> , 2019, 45, 376-386. | 0.1 | 0 |
| 31 | Role of Salts in Phase Transformation of Clathrate Hydrates under Brine Environments. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5003-5010. | 3.2 | 11 |
| 32 | Enhanced Hydrogen-Storage Capacity and Structural Stability of an Organic Clathrate Structure with Fullerene (C ₆₀) Guests and Lithium Doping. <i>Chemistry of Materials</i> , 2018, 30, 3028-3039. | 3.2 | 22 |
| 33 | Pressure-induced photoluminescence of MgO. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 194002. | 0.7 | 5 |
| 34 | Ethylene Epoxidation Catalyzed by Ag Nanoparticles on AgLSX Zeolites formed by Pressure- and Temperature-Induced Auto-Reduction. <i>Chemistry - A European Journal</i> , 2018, 24, 1041-1045. | 1.7 | 5 |
| 35 | An alternative approach for portfolio performance evaluation: enabling fund evaluation relative to peer group via Malkiel's monkey. <i>Applied Economics</i> , 2018, 50, 4318-4327. | 1.2 | 3 |
| 36 | Fluorapatite diagenetic differences between Cretaceous skeletal fossils of Mongolia and Korea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 490, 579-589. | 1.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Comparative compressional behavior of chabazite with Li+, Na+, Ag+, K+, Rb+, and Cs+ as extra-framework cations. <i>American Mineralogist</i> , 2018, 103, 207-215. | 0.9 | 2 |
| 38 | Why your smart beta portfolio might not work. <i>International Journal of Financial Engineering and Risk Management</i> , 2018, 2, 351. | 0.2 | 2 |
| 39 | Structuration under pressure: Spatial separation of inserted water during pressure-induced hydration in mesolite. <i>American Mineralogist</i> , 2018, 103, 175-178. | 0.9 | 7 |
| 40 | Pressure-driven phase transitions and reduction of dimensionality in 2D silicon nanosheets. <i>Nature Communications</i> , 2018, 9, 5412. | 5.8 | 14 |
| 41 | High-pressure synchrotron X-ray diffraction study of tremolite and actinolite in various fluids. <i>Current Applied Physics</i> , 2018, 18, 1218-1224. | 1.1 | 3 |
| 42 | Pressure-driven collapse of the relativistic electronic ground state in a honeycomb iridate. <i>Npj Quantum Materials</i> , 2018, 3, . | 1.8 | 36 |
| 43 | Temperature- and pressure- dependent structural transformation of methane hydrates in salt environments. <i>Geophysical Research Letters</i> , 2017, 44, 2129-2137. | 1.5 | 8 |
| 44 | Natrolites with different Fe ²⁺ /Fe ³⁺ cation ratios. <i>Microporous and Mesoporous Materials</i> , 2017, 244, 109-118. | 2.2 | 1 |
| 45 | Dehydration studies of natrolites: Role of monovalent extra-framework cations and degree of hydration. <i>American Mineralogist</i> , 2017, 102, 1462-1469. | 0.9 | 0 |
| 46 | A role for subducted super-hydrated kaolinite in Earth's deep water cycle. <i>Nature Geoscience</i> , 2017, 10, 947-953. | 5.4 | 47 |
| 47 | Modeling the dynamics of institutional, foreign, and individual investors through price consensus. <i>International Review of Financial Analysis</i> , 2017, 49, 166-175. | 3.1 | 1 |
| 48 | Efficacy assessment of independent severe accident mitigation measures in OPR1000 using MELCOR code. <i>Journal of Nuclear Science and Technology</i> , 2017, 54, 89-100. | 0.7 | 6 |
| 49 | A Study on the Korean ETF Market : Systemic Risk and the Optimal ETF Introduction Sequence. <i>Journal of Korean Institute of Industrial Engineers</i> , 2017, 43, 482-491. | 0.1 | 1 |
| 50 | Structural and spectroscopic studies of alkali-metal exchanged stilbites. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 339-348. | 2.2 | 9 |
| 51 | Sparse tangent portfolio selection via semi-definite relaxation. <i>Operations Research Letters</i> , 2016, 44, 540-543. | 0.5 | 10 |
| 52 | High-Pressure Chemistry of a Zeolitic Imidazolate Framework Compound in the Presence of Different Fluids. <i>Journal of the American Chemical Society</i> , 2016, 138, 11477-11480. | 6.6 | 40 |
| 53 | Pressure-Dependent Structural and Chemical Changes in a Metal-Organic Framework with One-Dimensional Pore Structure. <i>Chemistry of Materials</i> , 2016, 28, 5336-5341. | 3.2 | 25 |
| 54 | Microbial copper reduction method to scavenge anthropogenic radioiodine. <i>Scientific Reports</i> , 2016, 6, 28113. | 1.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | A uniformly distributed random portfolio. <i>Quantitative Finance</i> , 2016, 16, 297-307. | 0.9 | 5 |
| 56 | Behaviour at high pressure of Rb ₇ NaGa ₈ Si ₁₂ O ₄₀ ·3H ₂ O (a zeolite with EDI topology): a combined experimental–computational study. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 209-216. | 0.3 | 12 |
| 57 | High-pressure and high-temperature transformation of Pb(<i>ii</i>)-natrolite to Pb(<i>ii</i>)-lawsonite. <i>Dalton Transactions</i> , 2016, 45, 1622-1630. | 1.6 | 5 |
| 58 | Chabazite structures with Li ⁺ , Na ⁺ , Ag ⁺ , K ⁺ , NH ₄ ⁺ , Rb ⁺ and Cs ⁺ as extra-framework cations. <i>Microporous and Mesoporous Materials</i> , 2016, 221, 253-263. | 2.2 | 15 |
| 59 | Isotropic Compression Behavior of Lawsonite Under High-pressure Conditions. <i>Economic and Environmental Geology</i> , 2016, 49, 23-30. | 0.2 | 1 |
| 60 | Pressure-Induced Amorphization of Small Pore Zeolites—the Role of Cation-H ₂ O Topology and Anti-glass Formation. <i>Scientific Reports</i> , 2015, 5, 15056. | 1.6 | 7 |
| 61 | High-pressure behavior and crystal–fluid interaction under extreme conditions in paulingite [PAU-topology]. <i>Microporous and Mesoporous Materials</i> , 2015, 206, 34-41. | 2.2 | 9 |
| 62 | Pressure-Induced Metathesis Reaction To Sequester Cs. <i>Environmental Science & Technology</i> , 2015, 49, 513-519. | 4.6 | 11 |
| 63 | In situ high-pressure synchrotron X-ray powder diffraction study of tunnel manganese oxide minerals: hollandite, romanechite, and todorokite. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 405-411. | 0.3 | 2 |
| 64 | Topotactic and reconstructive changes at high pressures and temperatures from Cs-natrolite to Cs-hexacelsian. <i>American Mineralogist</i> , 2015, 100, 1562-1567. | 0.9 | 3 |
| 65 | Two-Step Pressure-Induced Superhydration in Small Pore Natrolite with Divalent Extra-Framework Cations. <i>Chemistry of Materials</i> , 2015, 27, 3874-3880. | 3.2 | 21 |
| 66 | Spectroscopic and Computational Characterizations of Alkaline-Earth- and Heavy-Metal-Exchanged Natrolites. <i>ChemPlusChem</i> , 2014, 79, 1096-1102. | 1.3 | 3 |
| 67 | Inter- and Intralayer Compression of Germanane. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28196-28201. | 1.5 | 7 |
| 68 | Zeolites at high pressure: A review. <i>Mineralogical Magazine</i> , 2014, 78, 267-291. | 0.6 | 88 |
| 69 | Spectroscopic and Computational Characterizations of Alkaline-Earth- and Heavy-Metal-Exchanged Natrolites. <i>ChemPlusChem</i> , 2014, 79, 1066-1066. | 1.3 | 0 |
| 70 | Cost of Asset Allocation in Equity Market: How Much Do Investors Lose Due to Bad Asset Class Design? <i>Journal of Portfolio Management</i> , 2014, 41, 34-44. | 0.3 | 3 |
| 71 | Irreversible xenon insertion into a small-pore zeolite at moderate pressures and temperatures. <i>Nature Chemistry</i> , 2014, 6, 835-839. | 6.6 | 42 |
| 72 | Uranium(IV) remobilization under sulfate reducing conditions. <i>Chemical Geology</i> , 2014, 370, 40-48. | 1.4 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Abiotic reduction of uranium by mackinawite (FeS) biogenerated under sulfate-reducing condition. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 1311-1319. | 0.7 | 25 |
| 74 | Superhydrated Zeolites: Pressure-Induced Hydration in Natrolites. <i>Chemistry - A European Journal</i> , 2013, 19, 10876-10883. | 1.7 | 39 |
| 75 | Role of Cation-Water Disorder during Cation Exchange in Small-Pore Zeolite Sodium Natrolite. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16119-16126. | 1.5 | 7 |
| 76 | Contrasting high-pressure compression behaviors of AlPO ₄ -5 and SSZ-24 with the same AFI framework topology. <i>Microporous and Mesoporous Materials</i> , 2013, 169, 42-46. | 2.2 | 8 |
| 77 | Oxygen stoichiometry and magnetic properties of LuFe ₂ O ₄ . <i>Journal of Applied Physics</i> , 2013, 113, . | 1.1 | 22 |
| 78 | Thermodynamic study of alkali and alkaline-earth cation-exchanged natrolites. <i>Microporous and Mesoporous Materials</i> , 2013, 167, 221-227. | 2.2 | 13 |
| 79 | Pressure-Dependent Release of Guest Molecules and Structural Transitions in Hydroquinone Clathrate. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7621-7625. | 1.2 | 12 |
| 80 | Pressure-Induced Hydration and Insertion of CO ₂ into Ag-Natrolite. <i>Chemistry - A European Journal</i> , 2013, 19, 5806-5811. | 1.7 | 13 |
| 81 | A Stochastic Model for Order Book Dynamics: An Application to Korean Stock Index Futures. <i>Management Science and Financial Engineering</i> , 2013, 19, 37-41. | 0.1 | 0 |
| 82 | Pressure Effects on the Dehydration Behavior of Natrolite. <i>Journal of the Mineralogical Society of Korea</i> , 2013, 26, 175-187. | 0.2 | 0 |
| 83 | Spectroscopic characterization of alkali-metal exchanged natrolites. <i>American Mineralogist</i> , 2012, 97, 419-424. | 0.9 | 8 |
| 84 | Diaquabis(pyrazine-2-carboxamide- ² N ¹ , ¹ O)cobalt(II) dinitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m512-m513. | 0.2 | 1 |
| 85 | Fast and reversible hydrogen storage in channel cages of hydroquinone clathrate. <i>Chemical Physics Letters</i> , 2012, 546, 120-124. | 1.2 | 24 |
| 86 | High-Pressure Spectroscopic Study of Hydrous and Anhydrous Cs-Exchanged Natrolites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2159-2164. | 1.5 | 4 |
| 87 | Thermal Expansion of the Superhydrated Small-Pore Zeolite Natrolite. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3286-3291. | 1.5 | 6 |
| 88 | Sonochemical Synthesis and Properties of Nanoparticles of FeSbO ₄ . <i>Inorganic Chemistry</i> , 2012, 51, 844-850. | 1.9 | 28 |
| 89 | Immobilization of Large, Alivalent Cations in the Small-Pore Zeolite K-Natrolite by Means of Pressure. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4848-4851. | 7.2 | 14 |
| 90 | Spectroscopic identification and conversion rate of gaseous guest-loaded hydroquinone clathrates. <i>Chemical Physics Letters</i> , 2012, 528, 34-38. | 1.2 | 24 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | In-situ Phase Transition Study of Minerals using Micro-focusing Rotating-anode X-ray and 2-Dimensional Area Detector. <i>Economic and Environmental Geology</i> , 2012, 45, 79-88. | 0.2 | 3 |
| 92 | Pressure- and Heat-Induced Insertion of CO ₂ into an Auxetic Small-Pore Zeolite. <i>Journal of the American Chemical Society</i> , 2011, 133, 1674-1677. | 6.6 | 59 |
| 93 | Tetrahedral Atom Ordering in a Zeolite Framework: A Key Factor Affecting Its Physicochemical Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 10587-10598. | 6.6 | 28 |
| 94 | Behavior of epidote at high pressure and high temperature: a powder diffraction study up to 10 GPa and 1,200 ÅK. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 419-428. | 0.3 | 21 |
| 95 | Stability of (Cs, K)Al ₄ Be ₅ B ₁₁ O ₂₈ (londonite) at high pressure and high temperature: a potential neutron absorber material. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 429-434. | 0.3 | 12 |
| 96 | Selective CO ₂ Trapping in Guest-Free Hydroquinone Clathrate Prepared by Gas-Phase Synthesis. <i>ChemPhysChem</i> , 2011, 12, 1056-1059. | 1.0 | 40 |
| 97 | Natrolite is not a "soda-stone" anymore: Structural study of alkali (Li+), alkaline-earth (Ca ²⁺ , Sr ²⁺ , Tj ETQq1 1 0.784314 rgBT /Overlock 1718-1724. | 0.9 | 33 |
| 98 | In-situ dehydration studies of fully K-, Rb-, and Cs-exchanged natrolites. <i>American Mineralogist</i> , 2011, 96, 393-401. | 0.9 | 20 |
| 99 | Structural studies of NH ₄ -exchanged natrolites at ambient conditions and high temperature. <i>American Mineralogist</i> , 2011, 96, 1308-1315. | 0.9 | 7 |
| 100 | Pressure-induced hydration and cation migration in a Cs ⁺ exchanged gallosilicate zeolite LTL: Synchrotron X-ray powder diffraction study at ambient and high pressures. <i>Microporous and Mesoporous Materials</i> , 2010, 136, 75-82. | 2.2 | 9 |
| 101 | A high-pressure cubic-to-tetragonal phase-transition in melanophlogite, a SiO ₂ clathrate phase. <i>Microporous and Mesoporous Materials</i> , 2010, 129, 267-273. | 2.2 | 11 |
| 102 | Anisotropic compression of a synthetic potassium aluminogermanate zeolite with gismondine topology. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2305-2308. | 1.4 | 5 |
| 103 | Natrolite may not be a "soda-stone" anymore: Structural study of fully K-, Rb-, and Cs-exchanged natrolite. <i>American Mineralogist</i> , 2010, 95, 1636-1641. | 0.9 | 45 |
| 104 | Composition-dependent magnetic properties of BiFeO_3 solution nanostructures. <i>Physical Review B</i> , 2010, 82, . | 1.1 | 118 |
| 105 | Pressure-Induced Argon Insertion into an Auxetic Small Pore Zeolite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6922-6927. | 1.5 | 29 |
| 106 | Gas-Phase Synthesis and Characterization of CH ₄ -Loaded Hydroquinone Clathrates. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3254-3258. | 1.2 | 38 |
| 107 | Chemical and Hydrostatic Pressure in Natrolites: Pressure-Induced Hydration of an Aluminogermanate Natrolite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18805-18811. | 1.5 | 4 |
| 108 | Spectroscopic Study of the Effects of Pressure Media on High-Pressure Phase Transitions in Natrolite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18819-18824. | 1.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | High-pressure behavior of otavite (CdCO ₃). Journal of Alloys and Compounds, 2010, 508, 251-257. | 2.8 | 28 |
| 110 | Static compression of ϵ -FeSi. Journal of the Korean Physical Society, 2010, 56, 832-835. | 0.3 | 6 |
| 111 | High pressure investigation of $\hat{1}$ -form and CH ₄ -loaded $\hat{2}$ -form of hydroquinone compounds. Journal of Chemical Physics, 2009, 130, 124511. | 1.2 | 10 |
| 112 | Low temperature structural phase transition of Ba ₃ Ni ₂ O ₉ . Solid State Sciences, 2009, 11, 608-613. | 1.5 | 11 |
| 113 | Hydrogen Molecules Trapped in Interstitial Host Channels of $\hat{1}$ -Hydroquinone. ChemPhysChem, 2009, 10, 352-355. | 1.0 | 14 |
| 114 | Elastic behavior of vanadinite, Pb ₁₀ (VO ₄) ₆ Cl ₂ , a microporous non-zeolitic mineral. Physics and Chemistry of Minerals, 2009, 36, 311-317. | 0.3 | 11 |
| 115 | Thermodynamic stability, spectroscopic identification and cage occupation of binary CO ₂ clathrate hydrates. Chemical Engineering Science, 2009, 64, 5125-5130. | 1.9 | 47 |
| 116 | Characterization of $\hat{1}$ -hydroquinone and $\hat{2}$ -hydroquinone clathrates by THz time-domain spectroscopy. Chemical Physics Letters, 2009, 468, 37-41. | 1.2 | 18 |
| 117 | Pressure-volume equation of state of FeAu and FePt. High Pressure Research, 2009, 29, 800-805. | 0.4 | 4 |
| 118 | Adsorption of U(VI) ions on biotite from aqueous solutions. Applied Clay Science, 2009, 46, 255-259. | 2.6 | 22 |
| 119 | Characterization of hydroquinone clathrates by THz time-domain spectroscopy. , 2009, , . | | 0 |
| 120 | Synthesis, structure, magnetic properties and structural distortion under high pressure of a new osmate, Sr ₂ CuOsO ₆ . Journal of Solid State Chemistry, 2008, 181, 623-627. | 1.4 | 27 |
| 121 | Cation-dependent anomalous compression of gallosilicate zeolites with CGS topology: A high-pressure synchrotron powder diffraction study. Journal of Solid State Chemistry, 2008, 181, 730-734. | 1.4 | 2 |
| 122 | Non-superconducting Na _{0.3} Co ₂ H ₂ O. Solid State Communications, 2008, 148, 271-273. | 0.9 | 0 |
| 123 | Pressure-induced structural evolution and elastic behaviour of Na ₆ Cs ₂ Ca ₆ Ge ₆ O ₂₄ ·Ge(OH) ₆ variant of cancrinite: A synchrotron powder diffraction study. Microporous and Mesoporous Materials, 2008, 116, 51-58. | 2.2 | 10 |
| 124 | Shape-Dependent Compressibility of TiO ₂ Anatase Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 9627-9631. | 1.5 | 61 |
| 125 | Pressure-Induced Hydration and Order-Disorder Transition in a Synthetic Potassium Gallosilicate Zeolite with Gismondine Topology. Journal of the American Chemical Society, 2008, 130, 2842-2850. | 6.6 | 12 |
| 126 | Composition and field-tuned magnetism and superconductivity in $Nd_{1-x}Mn_x$. Physical Review B, 2008, 77, . | 1.1 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 127 | High-pressure bulk superconductivity deep in the magnetic state of CeRhIn_5 . <i>Physical Review B</i> , 2008, 77, . | 1.1 | 20 |
| 128 | Colossal positive magnetoresistance in a doped nearly magnetic semiconductor. <i>Physical Review B</i> , 2008, 77, . | 1.1 | 24 |
| 129 | Weak ferromagnetism in Fe_2O_3 . <i>Physical Review B</i> , 2007, 76, . | | |
| 130 | Structural transition of PETN-I to ferroelastic orthorhombic phase PETN-III at elevated pressures. <i>Journal of Chemical Physics</i> , 2007, 127, 094502. | 1.2 | 18 |
| 131 | Pressure- and temperature-dependent X-ray diffraction studies of NdCrO_3 . <i>Journal of Alloys and Compounds</i> , 2007, 433, 91-96. | 2.8 | 15 |
| 132 | Dehydration-Induced Water Disordering in a Synthetic Potassium Gallosilicate Natrolite. <i>Journal of the American Chemical Society</i> , 2007, 129, 13744-13748. | 6.6 | 8 |
| 133 | Water Nanostructures Confined inside the Quasi-One-Dimensional Channels of LTL Zeolite. <i>Chemistry of Materials</i> , 2007, 19, 6252-6257. | 3.2 | 24 |
| 134 | Cation-Dependent Compression Behavior in Low-Silica Zeolite-X. <i>Journal of the American Chemical Society</i> , 2007, 129, 4888-4889. | 6.6 | 10 |
| 135 | Confined Water Clusters in a Synthetic Rubidium Gallosilicate with Zeolite LTL Topology. <i>Chemistry of Materials</i> , 2007, 19, 2277-2282. | 3.2 | 13 |
| 136 | Observation of the Pressure Dependent Reversible Enhancement of χ_c and Loss of the Anomalous Constricted Hysteresis for $[\text{Ru}_2(\text{O}_2\text{CMe})_4]_3[\text{Cr}(\text{CN})_6]$. <i>Advanced Materials</i> , 2007, 19, 2910-2913. | 11.1 | 46 |
| 137 | Anisotropic elastic behaviour and structural evolution of zeolite phillipsite at high pressure: A synchrotron powder diffraction study. <i>Microporous and Mesoporous Materials</i> , 2007, 105, 239-250. | 2.2 | 27 |
| 138 | Pressure induced octahedral tilting distortion in Ba_2YTao_6 . <i>Chemical Communications</i> , 2006, , 168-170. | 2.2 | 24 |
| 139 | Structural studies of $\text{Sr}_2\text{GaSbO}_6$, $\text{Sr}_2\text{NiMoO}_6$, and $\text{Sr}_2\text{FeNbO}_6$ using pressure and temperature. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 8761-8780. | 0.7 | 40 |
| 140 | Pressure-induced hydration in zeolite tetranatrolite. <i>American Mineralogist</i> , 2006, 91, 247-251. | 0.9 | 19 |
| 141 | Chiral Three-Dimensional Microporous Nickel Aspartate with Extended Ni ²⁺ -Ni Bonding. <i>Journal of the American Chemical Society</i> , 2006, 128, 9957-9962. | 6.6 | 218 |
| 142 | Synthesis and Structure of the Bilayer Hydrate $\text{Na}_0.3\text{NiO}_2 \cdot 1.3\text{D}_2\text{O}$. <i>Inorganic Chemistry</i> , 2006, 45, 3490-3492. | 1.9 | 18 |
| 143 | Pressure-induced phase transition and octahedral tilt system change of $\text{Ba}_2\text{BiSbO}_6$. <i>Journal of Solid State Chemistry</i> , 2006, 179, 917-922. | 1.4 | 20 |
| 144 | Compression mechanisms of symmetric and Jahn-Teller distorted octahedra in double perovskites: A_2CuWO_6 (A=Sr, Ba), $\text{Sr}_2\text{CoMoO}_6$, and $\text{La}_2\text{LiRuO}_6$. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3556-3561. | 1.4 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | On the elastic behaviour of zeolite mordenite: a synchrotron powder diffraction study. <i>Physics and Chemistry of Minerals</i> , 2006, 32, 726-732. | 0.3 | 27 |
| 146 | Lanthanum molybdenum oxide: Low-temperature synthesis and characterization. <i>Journal of Materials Research</i> , 2006, 21, 1133-1140. | 1.2 | 14 |
| 147 | Pressure-induced structural and electronic changes in AlH_3 . <i>Physical Review B</i> , 2006, 74, . | 1.1 | 76 |
| 148 | Effect of pressure and chemical substitutions on the charge-density-wave in LaAgSb_2 . <i>Physical Review B</i> , 2006, 73, . | 1.1 | 20 |
| 149 | Pressure and temperature-dependent structural studies of $\text{Ba}_2\text{BiTaO}_6$. <i>Journal of Solid State Chemistry</i> , 2005, 178, 207-211. | 1.4 | 32 |
| 150 | Temperature and pressure dependent structural studies of the ordered double perovskites $\text{Sr}_2\text{TbRu}_2\text{Ir}_x\text{O}_6$. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2282-2291. | 1.4 | 13 |
| 151 | Synthesis and structure of the monolayer hydrate $\text{K}_0.3\text{CoO}_2 \cdot 0.4\text{H}_2\text{O}$. <i>Solid State Communications</i> , 2005, 134, 607-611. | 0.9 | 9 |
| 152 | Synthesis and characterization of $\text{Na}_{0.3}\text{RhO}_2 \cdot 0.6\text{H}_2\text{O}$ a semiconductor with a weak ferromagnetic component. <i>Solid State Communications</i> , 2005, 135, 51-56. | 0.9 | 16 |
| 153 | High-Pressure Neutron Diffraction Study of Superhydrated Natrolite.. <i>ChemInform</i> , 2005, 36, no. | 0.1 | 0 |
| 154 | Variable-temperature structural studies of tetranatrolite from Mt. Saint-Hilaire: Synchrotron X-ray powder diffraction and Rietveld analysis. <i>American Mineralogist</i> , 2005, 90, 247-251. | 0.9 | 8 |
| 155 | Pressure-induced stabilization of ordered paranatrolite: A new insight into the paranatrolite controversy. <i>American Mineralogist</i> , 2005, 90, 252-257. | 0.9 | 47 |
| 156 | Structures and thermodynamics of the mixed alkali alanates. <i>Physical Review B</i> , 2005, 71, . | 1.1 | 75 |
| 157 | Polymorphism of $\text{Gd}_5\text{Si}_2\text{Ge}_2$: The equivalence of temperature, magnetic field, and chemical and hydrostatic pressures. <i>Physical Review B</i> , 2005, 71, . | 1.1 | 37 |
| 158 | Tunable thermal expansion behavior in the intermetallic YbGaGe . <i>Physical Review B</i> , 2005, 71, . | 1.1 | 11 |
| 159 | Kondo insulator description of spin state transition in FeSb_2 . <i>Physical Review B</i> , 2005, 72, . | 1.1 | 113 |
| 160 | Controlling the Size of Magnetic Nanoparticles Using Pluronic Block Copolymer Surfactants. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15-18. | 1.2 | 75 |
| 161 | Synthesis, Structure, and Magnetic Properties of $\text{Sr}_2\text{NiOsO}_6$ and $\text{Ca}_2\text{NiOsO}_6$: Two New Osmium-Containing Double Perovskites. <i>Inorganic Chemistry</i> , 2005, 44, 9676-9683. | 1.9 | 54 |
| 162 | Propene Adsorption Sites in Zeolite ITQ-12: A Combined Synchrotron X-ray and Neutron Diffraction Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7894-7899. | 1.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | High-Pressure Neutron Diffraction Study of Superhydrated Natrolite. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18223-18225. | 1.2 | 43 |
| 164 | High-pressure investigation of Sr ₃ PbNiO ₆ . <i>Journal of Alloys and Compounds</i> , 2005, 390, 35-40. | 2.8 | 3 |
| 165 | One-Step Synthesis of Core(Cr)/Shell($\hat{1}^3$ -Fe ₂ O ₃) Nanoparticles. <i>Journal of the American Chemical Society</i> , 2005, 127, 5730-5731. | 6.6 | 43 |
| 166 | Synchrotron X-ray Powder Diffraction and Computational Investigation of Purely Siliceous Zeolite Y under Pressure. <i>Journal of the American Chemical Society</i> , 2004, 126, 12015-12022. | 6.6 | 104 |
| 167 | Anisotropic compression of edingtonite and thomsonite to 6 GPa at room temperature. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 22-27. | 0.3 | 42 |
| 168 | Pressure-induced migration of zeolitic water in laumontite. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 421. | 0.3 | 28 |
| 169 | Synthesis and Crystal Structure of As-Synthesized and Calcined Pure Silica Zeolite ITQ-12. <i>Journal of the American Chemical Society</i> , 2004, 126, 10403-10409. | 6.6 | 62 |
| 170 | Formation and Manipulation of Confined Water Wires. <i>Nano Letters</i> , 2004, 4, 619-621. | 4.5 | 26 |
| 171 | A comparison of similar aerosol measurements made on the NASA P3-B, DC-8, and NSF C-130 aircraft during TRACE-P and ACE-Asia. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 33 |
| 172 | Zeolite (MFI) Crystal Morphology Control Using Organic Structure-Directing Agents. <i>Chemistry of Materials</i> , 2004, 16, 5697-5705. | 3.2 | 164 |
| 173 | Pressure induced valence and structural phase transition in Ba ₂ PrRu _{0.8} Ir _{0.2} O ₆ . <i>Journal of Physics Condensed Matter</i> , 2004, 16, 3295-3301. | 0.7 | 16 |
| 174 | Role of the Lattice in the $\hat{1}^3$ to $\hat{1}^{\pm}$ Phase Transition of Ce: A High-Pressure Neutron and X-Ray Diffraction Study. <i>Physical Review Letters</i> , 2004, 92, 105702. | 2.9 | 80 |
| 175 | Pressure-Induced Cation Migration and Volume Expansion in the Defect Pyrochlores ANbWO ₆ (A:) Tj ETQq1 1 0.784314 rgBT ₀ /Overlock 10 Tf 5 | 0.1 | 34 |
| 176 | Pressure-Induced Cation Migration and Volume Expansion in the Defect Pyrochlores ANbWO ₆ (A =) Tj ETQq0 0 0 rgBT ₀ /Overlock 10 Tf 5 | 0.6 | 34 |
| 177 | Doping $\hat{1}^3$ -Fe ₂ O ₃ Nanoparticles with Mn(III) Suppresses the Transition to the $\hat{1}^{\pm}$ -Fe ₂ O ₃ Structure. <i>Journal of the American Chemical Society</i> , 2003, 125, 11470-11471. | 6.6 | 104 |
| 178 | Pressure-Induced Hydration at 0.6 GPa in a Synthetic Gallosilicate Zeolite. <i>Journal of the American Chemical Society</i> , 2003, 125, 6036-6037. | 6.6 | 15 |
| 179 | Pressure-induced phase transitions and templating effect in three-dimensional organic-inorganic hybrid perovskites. <i>Physical Review B</i> , 2003, 68, . | 1.1 | 80 |
| 180 | Synthesis and high-pressure behavior of Na _{0.3} CoO ₂ ·xH ₂ O and related phases. <i>Physical Review B</i> , 2003, 68, . | 1.1 | 29 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 181 | Comparison of citrate–nitrate gel combustion and precursor plasma spray processes for the synthesis of yttrium aluminum garnet. <i>Journal of Materials Research</i> , 2002, 17, 2846-2851. | 1.2 | 27 |
| 182 | Characterization of the stuffed framework structures BaAlGaO ₄ and BaFeGaO ₄ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2002, 217, 249-255. | 0.4 | 9 |
| 183 | The crystal structures of cesanite and its synthetic analogue–A comparison. <i>American Mineralogist</i> , 2002, 87, 715-720. | 0.9 | 16 |
| 184 | Discovery of a Rhombohedral Form of the Li-Exchanged Aluminogermanate Zeolite RHO and Its Pressure-, Temperature-, and Composition-Induced Phase Transitions. <i>Chemistry of Materials</i> , 2002, 14, 3501-3508. | 3.2 | 4 |
| 185 | Pressure-Induced Volume Expansion of Zeolites in the Natrolite Family. <i>Journal of the American Chemical Society</i> , 2002, 124, 5466-5475. | 6.6 | 188 |
| 186 | Non-framework cation migration and irreversible pressure-induced hydration in a zeolite. <i>Nature</i> , 2002, 420, 485-489. | 13.7 | 145 |
| 187 | Phase Transition of Zeolite RHO at High-Pressure. <i>Journal of the American Chemical Society</i> , 2001, 123, 8418-8419. | 6.6 | 56 |
| 188 | New Insight into Cation Relocations within the Pores of Zeolite Rho:–In Situ Synchrotron X-Ray and Neutron Powder Diffraction Studies of Pb- and Cd-Exchanged Rho. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7188-7199. | 1.2 | 45 |
| 189 | K _{5.76} Ga _{5.76} Si _{10.24} O ₃₂ ·3.4H ₂ O, a gallosilicate with the zeolite gismondine topology. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 344-346. | 0.4 | 5 |
| 190 | First Structural Investigation of a Super-Hydrated Zeolite. <i>Journal of the American Chemical Society</i> , 2001, 123, 12732-12733. | 6.6 | 67 |
| 191 | Synthesis and crystal structures of gallium and germanium variants of cancrinite. <i>Microporous and Mesoporous Materials</i> , 2000, 39, 445-455. | 2.2 | 30 |
| 192 | Synthesis and crystal structures of gallium- and germanium-variants of the fibrous zeolites with the NAT, EDI and THO structure types. <i>Microporous and Mesoporous Materials</i> , 2000, 34, 255-271. | 2.2 | 29 |
| 193 | Structural Changes and Cation Site Ordering in Na and K Forms of Aluminogermanates with the Zeolite Gismondine Topology. <i>Chemistry of Materials</i> , 2000, 12, 3760-3769. | 3.2 | 18 |
| 194 | DYNAMIC POWDER CRYSTALLOGRAPHY WITH SYNCHROTRON X-RAY SOURCES. <i>Canadian Mineralogist</i> , 2000, 38, 777-800. | 0.3 | 31 |
| 195 | Understanding negative thermal expansion and –trap door™ cation relocations in zeolite rho. <i>Chemical Communications</i> , 2000, , 2221-2222. | 2.2 | 34 |
| 196 | Structural and Sr ²⁺ -Ion Exchange Studies of Gallosilicate TsG-1. <i>Chemistry of Materials</i> , 2000, 12, 1597-1603. | 3.2 | 19 |
| 197 | Structural studies of hydrated germanium X-type zeolite via Rietveld analysis of synchrotron powder X-ray diffraction data. <i>Microporous and Mesoporous Materials</i> , 1999, 31, 195-204. | 2.2 | 45 |
| 198 | Structural Characterization of the Gallosilicate TsG-1, K ₁₀ Ga ₁₀ Si ₂₂ O ₆₄ ·5H ₂ O, with the CGS Framework Topology. <i>Chemistry of Materials</i> , 1999, 11, 879-881. | 3.2 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Phase Transition upon K-Ion Exchange into Na-Low Silica X:Â Combined NMR and Synchrotron X-ray Powder Diffraction Study. Chemistry of Materials, 1998, 10, 2561-2570. | 3.2 | 76 |