

# CITATION REPORT

List of articles citing

Structure of siderite  $\text{FeCO}_3$  to 56 GPa and hysteresis of its spin-pairing transition

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#	Paper	IF	Citations
64	Dolomite III: A new candidate lower mantle carbonate. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	32
63	First-principles study of pressure-induced magnetic transition in siderite FeCO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 510, L1-L4	5.7	6
62	Structurally hidden magnetic transitions in Fe <sub>3</sub> C at high pressures. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	35
61	The influence on Fe content on Raman spectra and unit cell parameters of magnesite-siderite solid solutions. <i>Physics and Chemistry of Minerals</i> , <b>2012</b> , 39, 239-246	1.6	33
60	PVT equation of state of siderite to 33 GPa and 1673 K. <i>Physics of the Earth and Planetary Interiors</i> , <b>2013</b> , 224, 83-87	2.3	14
59	High pressure single-crystal micro X-ray diffraction analysis with GSE_ADA/RSV software. <i>High Pressure Research</i> , <b>2013</b> , 33, 466-484	1.6	111
58	Single-crystal X-ray diffraction at extreme conditions: a review. <i>High Pressure Research</i> , <b>2013</b> , 33, 453-465	1.6	25
57	Single-crystal diffraction at megabar conditions by synchrotron radiation. <i>High Pressure Research</i> , <b>2013</b> , 33, 511-522	1.6	63
56	EFFECTS OF THE ELECTRONIC SPIN TRANSITIONS OF IRON IN LOWER MANTLE MINERALS: IMPLICATIONS FOR DEEP MANTLE GEOPHYSICS AND GEOCHEMISTRY. <i>Reviews of Geophysics</i> , <b>2013</b> , 51, 244-275	23.1	156
55	Single-crystal diffraction at the Extreme Conditions beamline P02.2: procedure for collecting and analyzing high-pressure single-crystal data. <i>Journal of Synchrotron Radiation</i> , <b>2013</b> , 20, 711-20	2.4	52
54	Raman study of MgCO <sub>3</sub> -FeCO <sub>3</sub> carbonate solid solution at high pressures up to 55 GPa. <i>Physics and Chemistry of Minerals</i> , <b>2014</b> , 41, 633-638	1.6	24
53	Compressibility of a natural smithsonite ZnCO <sub>3</sub> up to 50 GPa. <i>High Pressure Research</i> , <b>2014</b> , 34, 89-99	1.6	19
52	High-pressure polymorphism and structural transitions of norsethite, BaMg(CO <sub>3</sub> ) <sub>2</sub> . <i>Physics and Chemistry of Minerals</i> , <b>2014</b> , 41, 737-755	1.6	13
51	Giant pressure-induced volume collapse in the pyrite mineral MnS <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 5106-10	11.5	26
50	X-Ray Diffraction at Extreme Conditions: Today and Tomorrow. <b>2015</b> , 255-313		1
49	High-pressure orthorhombic ferromagnesite as a potential deep-mantle carbon carrier. <i>Scientific Reports</i> , <b>2015</b> , 5, 7640	4.9	38
48	Pressure-induced phase transition in MnCO <sub>3</sub> and its implications on the deep carbon cycle. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2015</b> , 120, 4069-4079	3.6	14

47	Oxidation state of the lower mantle: In situ observations of the iron electronic configuration in bridgmanite at extreme conditions. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 423, 78-86	5.3	25
46	Deep Earth Structure: Lower Mantle and D?. <b>2015</b> , 683-723		28
45	High-pressure study of azurite $\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$ by synchrotron radiation X-ray diffraction and Raman spectroscopy. <i>Physics and Chemistry of Minerals</i> , <b>2015</b> , 42, 805-816	1.6	6
44	Phase relations in carbonate systems at pressures and temperatures of lithospheric mantle: review of experimental data. <i>Russian Geology and Geophysics</i> , <b>2015</b> , 56, 113-142	1	42
43	Spin crossover and hyperfine interactions of iron in $(\text{Mg,Fe})\text{CO}_3$ ferromagnesite. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	17
42	First-principles study of iron spin crossover in the new hexagonal aluminous phase. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	11
41	High-pressure optical spectroscopy study of natural siderite. <i>Physics and Chemistry of Minerals</i> , <b>2017</b> , 44, 537-546	1.6	6
40	Magnetic and structural properties of $\text{FeCO}_3$ at high pressures. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	7
39	High pressure elasticity of $\text{FeCO}_3$ - $\text{MgCO}_3$ carbonates. <i>Physics of the Earth and Planetary Interiors</i> , <b>2017</b> , 271, 57-63	2.3	17
38	Ultradeep diamonds originate from deep subducted sedimentary carbonates. <i>Science China Earth Sciences</i> , <b>2017</b> , 60, 207-217	4.6	3
37	High-pressure studies with x-rays using diamond anvil cells. <i>Reports on Progress in Physics</i> , <b>2017</b> , 80, 0161014	10.4	77
36	Pressure driven spin transition in siderite and magnesiosiderite single crystals. <i>Scientific Reports</i> , <b>2017</b> , 7, 16526	4.9	17
35	High pressure experimental studies on $\text{Na}_3\text{Fe}(\text{PO}_4)(\text{CO}_3)$ and $\text{Na}_3\text{Mn}(\text{PO}_4)(\text{CO}_3)$ : Extensive pressure behaviors of carbonophosphates family. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 115, 248-253	3.9	4
34	Evidence for a pressure-induced spin transition in olivine-type $\text{LiFePO}_4$ triphylite. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	4
33	The high-pressure behavior of spherocobaltite ( $\text{CoCO}_3$ ): a single crystal Raman spectroscopy and XRD study. <i>Physics and Chemistry of Minerals</i> , <b>2018</b> , 45, 59-68	1.6	6
32	First-principles calculations of high-pressure iron-bearing monoclinic dolomite and single-cation carbonates with internally consistent Hubbard U. <i>Physics and Chemistry of Minerals</i> , <b>2018</b> , 45, 293-302	1.6	10
31	Quantum magnetism in minerals. <i>Advances in Physics</i> , <b>2018</b> , 67, 149-252	18.4	30
30	Phase Transition and vibration properties of $\text{MnCO}_3$ at high pressure and high-temperature by Raman spectroscopy. <i>High Pressure Research</i> , <b>2018</b> , 38, 212-223	1.6	10

29	Single crystal growth, crystalline structure investigation and high-pressure behavior of impurity-free siderite (FeCO <sub>3</sub> ). <i>Physics and Chemistry of Minerals</i> , <b>2018</b> , 45, 831-842	1.6	10
28	Carbon-Bearing Phases throughout Earth's Interior. <b>2019</b> , 66-88		4
27	Combining X-ray K <sub>α</sub> , valence-to-core, and X-ray Raman spectroscopy for studying Earth materials at high pressure and temperature: the case of siderite. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2019</b> , 34, 384-393	3.7	7
26	Thermal Conductivity Anomaly in (Fe <sub>0.78</sub> Mg <sub>0.22</sub> )CO <sub>3</sub> Siderite Across Spin Transition of Iron. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 1388-1396	3.6	5
25	Spectroscopic and ab initio studies of the pressure-induced Fe <sup>2+</sup> high-spin-to-low-spin electronic transition in natural triphylite-thiophillite. <i>Physics and Chemistry of Minerals</i> , <b>2019</b> , 46, 245-258	1.6	
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23	Iron-rich carbonates stabilized by magnetic entropy at lower mantle conditions. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 531, 115959	5.3	6
22	Phase Stability and Vibrational Properties of Iron-Bearing Carbonates at High Pressure. <i>Minerals (Basel, Switzerland)</i> , <b>2020</b> , 10, 1142	2.4	5
21	Spin Transition of Iron in Deep-Mantle Ferromagnesite. <i>Geophysical Monograph Series</i> , <b>2020</b> , 115-125	1.1	0
20	Factors influencing the reduction of U(VI) by magnetite. <i>Chemosphere</i> , <b>2020</b> , 254, 126855	8.4	6
19	Seismic detectability of carbonates in the deep Earth: A nuclear inelastic scattering study. <i>American Mineralogist</i> , <b>2020</b> , 105, 325-332	2.9	7
18	High-Pressure Transformations and Stability of Ferromagnesite in the Earth's Mantle. <i>Geophysical Monograph Series</i> , <b>2020</b> , 105-113	1.1	2
17	Mineralogy and Geochemistry of Fluvial-Lacustrine Pisolith Micronodules from the Roztoka Odrzańska, Odra River, NW Poland. <i>Geosciences (Switzerland)</i> , <b>2020</b> , 10, 3	2.7	1
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15	An X-ray diffraction and Raman spectroscopic study of the high-pressure behavior of gasplite (Ni <sub>0.73</sub> Mg <sub>0.27</sub> CO <sub>3</sub> ). <i>Physics and Chemistry of Minerals</i> , <b>2021</b> , 48, 1	1.6	
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12	Is the mean value of the 3d-electron radius ( $\langle r^4 \rangle$ ) in the equation of the crystal-field theory constant?. <i>Physics and Chemistry of Minerals</i> , <b>2021</b> , 48, 1	1.6	

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10	The Features of X-Ray Phase Analysis of Rocks with Complex Mineral Composition. <b>2021</b> ,		
9	Simultaneous metal half-metal and spin transition in SrCoO <sub>3</sub> under compression. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	6
8	Phase transition and properties of siderite FeCO <sub>3</sub> under high pressure: an ab initio study. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2012</b> , 61, 097102	0.6	3
7	High pressure synthesis of anhydrous magnesium carbonate (MgCO <sub>3</sub> ) from magnesium oxalate dihydrate (MgC <sub>2</sub> O <sub>4</sub> ·2H <sub>2</sub> O) and its characterization. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2017</b> , 66, 036202	0.6	
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4	High-Pressure XAFS Measurements of the Coordination Environments of Fe <sup>2+</sup> and Fe <sup>3+</sup> in Basaltic Glasses. <i>Journal of Geophysical Research: Solid Earth</i> ,	3.6	1
3	Understanding the local pitting corrosion characteristics of carbon steel in CO <sub>2</sub> corrosion environment using artificially machined pits. <b>2022</b> , 16, 100700		0
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