

Ilias Efthimiopoulos

List of Publications by Year in descending order

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42
papers

885
citations

516215

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476904

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times ranked

1473
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of composition on the Raman response of the Cu ₂ (Fe _x) _{1-x} Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Section B Journal of Chemical Sciences, 2022, .	0.3	1
2	High-pressure behavior of disordered kesterite-type Cu ₂ ZnSnS ₄ . Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	3
3	High-Pressure Behavior and Disorder for Ag ₂ ZnSnS ₄ and Ag ₂ CdSnS ₄ . ACS Omega, 2021, 6, 27387-27395.	1.6	3
4	Anharmonic Effects in Ordered Kesterite-Type Cu ₂ ZnSnS ₄ . Solids, 2021, 2, 385-394.	1.1	1
5	Extracting the Anharmonic Properties of the G-Band in Graphene Nanoplatelets. Journal of Physical Chemistry C, 2020, 124, 4835-4842.	1.5	17
6	Equation of state and high-pressure phase behaviour of SrCO ₃ . European Journal of Mineralogy, 2020, 32, 575-586.	0.4	12
7	In situ micro-FTIR spectroscopic investigations of synthetic ammonium phengite under pressure and temperature. European Journal of Mineralogy, 2020, 32, 469-482.	0.4	2
8	Vibrational response of strontianite at high pressures and high temperatures and construction of P-T phase diagram. Physics and Chemistry of Minerals, 2019, 46, 27-35.	0.3	9
9	Effects of temperature and pressure on the optical and vibrational properties of thermoelectric SnSe. Physical Chemistry Chemical Physics, 2019, 21, 8663-8678.	1.3	20
10	Experimental and theoretical investigations on the composition-dependent structural phase transition in Cu ₂ Cd _x Zn _{1-x} SnS ₄ . Materials Research Express, 2019, 6, 125525.	0.8	9
11	Spectroscopic and ab initio studies of the pressure-induced Fe ²⁺ high-spin-to-low-spin electronic transition in natural triphylite "lithiophilite. Physics and Chemistry of Minerals, 2019, 46, 245-258.	0.3	0
12	Effects of hydrostaticity on the structural stability of carbonates at lower mantle pressures: the case study of dolomite. High Pressure Research, 2019, 39, 36-49.	0.4	9
13	Infrared Spectroscopic Study of Vibrational Modes across the Orthorhombic "Tetragonal Phase Transition in Methylammonium Lead Halide Single Crystals. Journal of Physical Chemistry C, 2018, 122, 5227-5237.	1.5	61
14	Evidence for a pressure-induced spin transition in olivine-type LiFePO ₄ triphylite. Physical Review B, 2018, 97, .	1.1	6
15	Pressure-induced structural and electronic transitions in kesterite-type Cu ₂ ZnSnS ₄ . Journal of Applied Physics, 2018, 124, 085905.	1.1	7
16	Universal link of magnetic exchange and structural behavior under pressure in chromium spinels. Physical Review B, 2018, 97, .	1.1	24
17	Femtosecond laser-induced transformations in ultra-low expansion glass: Microstructure and local density variations by vibrational spectroscopy. Journal of Applied Physics, 2018, 123, .	1.1	21
18	Structural transitions of ordered kesterite-type Cu ₂ ZnSnS ₄ under pressure. Applied Physics Letters, 2017, 110, .	1.5	12

#	ARTICLE	IF	CITATIONS
19	HP-MoO ₂ : A High-Pressure Polymorph of Molybdenum Dioxide. <i>Inorganic Chemistry</i> , 2017, 56, 2321-2327.	1.9	13
20	Combined high-pressure and high-temperature vibrational studies of dolomite: phase diagram and evidence of a new distorted modification. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 465-476.	0.3	26
21	Effect of temperature on the pressure-induced spin transition in siderite and iron-bearing magnesite: a Raman spectroscopy study. <i>European Journal of Mineralogy</i> , 2017, 29, 785-793.	0.4	15
22	Structural Behavior of ZnCr ₂ S ₄ Spinel under Pressure. <i>Journal of Physical Chemistry C</i> , 2017, 121, 769-777.	1.5	13
23	Comparing the Pressure-Induced Structural Behavior of CuCr ₂ O ₄ and CuCr ₂ Se ₄ Spinels. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16513-16520.	1.5	10
24	Structural properties of Sb ₂ S ₃ under pressure: evidence of an electronic topological transition. <i>Scientific Reports</i> , 2016, 6, 24246.	1.6	73
25	Raman spectroscopy of siderite at high pressure: Evidence for a sharp spin transition. <i>American Mineralogist</i> , 2016, 101, 2638-2644.	0.9	22
26	Pressure-induced phase transitions in the CdCr ₂ S ₄ spinel. http://www.w3.org/1998/Math/MathML $CdCr_2S_4$ spinel.	1.1	16
27	Pressure-induced phase transitions in the ZnCr ₂ S ₄ spinel under pressure. <i>Physical Review B</i> , 2016, 93, .	1.1	16
28	Sorption mechanism(s) of orthophosphate onto Ca(OH) ₂ pretreated bentonite. <i>RSC Advances</i> , 2016, 6, 22295-22305.	1.7	17
29	Pressure-induced transition in the multiferroic CoCr ₂ O ₄ spinel. <i>Physical Review B</i> , 2015, 92, .	1.1	35
30	Structural transformations of Li ₂ C ₂ at high pressures. <i>Physical Review B</i> , 2015, 92, .	1.1	8
31	Pressurizing the HgCr ₂ Se ₄ spinel at room temperature. <i>Applied Physics Letters</i> , 2014, 104, 011911.	1.5	10
32	High-Pressure Studies of Bi ₂ S ₃ . <i>Journal of Physical Chemistry A</i> , 2014, 118, 1713-1720.	1.1	81
33	Surfactant Effects on the Structural and Magnetic Properties of Iron Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16209-16217.	1.5	86
34	Multiple pressure-induced transitions in HgCr ₂ S ₄ . <i>Applied Physics Letters</i> , 2013, 103, 201908.	1.5	13
35	Sb ₂ Se ₃ under pressure. <i>Scientific Reports</i> , 2013, 3, 2665.	1.6	97
36	Structural transformation and vibrational properties of BaC ₂ at high pressure. <i>Physical Review B</i> , 2012, 85, .	1.1	25

