Evgeniya Petrova

List of Publications by Year
in descending order

47	525	623734 14	677142 22
papers	citations	h-index	g-index

50	50	50	229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	BjurbÃ¶le L/LL4 ordinary chondrite properties studied by Raman spectroscopy, X-ray diffraction, magnetization measurements and MÃ¶ssbauer spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119196.	3.9	7
2	Modern Urban Sediments: Identification of the Cosmic Spherules. Springer Proceedings in Earth and Environmental Sciences, 2020, , 9-15.	0.4	0
3	Characterization of the matrix and fusion crust of the recent meteorite fall OzerkiÂL6. Meteoritics and Planetary Science, 2020, 55, 231-244.	1.6	37
4	Post-impact metamorphism of the Chelyabinsk meteorite in shock experiment. Planetary and Space Science, 2020, 192, 105050.	1.7	1
5	Characterization of Kemer L4 meteorite using Raman spectroscopy, X-ray diffraction, magnetization measurements and MÃ¶ssbauer spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 242, 118723.	3.9	9
6	Fe2+ partitioning between the M1 and M2 sites in silicate crystals in some stony and stony-iron meteorites studied using X-ray diffraction and MÃ¶ssbauer spectroscopy. Journal of Molecular Structure, 2020, 1216, 128391.	3.6	8
7	Experimental constraints on the ordinary chondrite shock darkening caused by asteroid collisions. Astronomy and Astrophysics, 2020, 639, A146.	5.1	13
8	Study of Bursa L6 ordinary chondrite by Xâ€ray diffraction, magnetization measurements, and MÃ¶ssbauer spectroscopy. Meteoritics and Planetary Science, 2020, 55, 2780-2793.	1.6	5
9	Shock-Wave Experiment with the Chelyabinsk LL5 Meteorite: Experimental Parameters and the Texture of the Shock-Affected Material. Geochemistry International, 2019, 57, 923-930.	0.7	3
10	X-ray diffraction and MÃ¶ssbauer spectroscopy of Gandom Beryan 008 ordinary chondrite. Hyperfine Interactions, 2019, 240, 1.	0.5	3
11	Variability of Chelyabinsk meteoroid stones studied by MÃ¶ssbauer spectroscopy and X-ray diffraction. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 206-224.	3.9	22
12	High pressure impacts on meteorites. Pure and Applied Chemistry, 2019, 91, 1857-1867.	1.9	4
13	Spectral characteristics of the meteoritic material after the modeling of thermal and shock metamorphism. AIP Conference Proceedings, 2019, , .	0.4	1
14	Structure and composition of iron sulfides in Dronino meteorite. AIP Conference Proceedings, 2019, , .	0.4	0
15	Morphology of sulfide minerals in some ordinary chondrites. AIP Conference Proceedings, 2018, , .	0.4	1
16	Study of metallic Fe-Ni-Co alloy and stony part isolated from Seymchan meteorite using X-ray diffraction, magnetization measurement and MÃ¶ssbauer spectroscopy. Journal of Molecular Structure, 2018, 1174, 112-121.	3.6	9
17	Comparison of iron-bearing minerals in ordinary chondrites from H, L and LL groups using MÃ¶ssbauer spectroscopy with a high velocity resolution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 172, 65-76.	3.9	27
18	Annama H chondriteâ€"Mineralogy, physical properties, cosmic ray exposure, and parent body history. Meteoritics and Planetary Science, 2017, 52, 1525-1541.	1.6	22

#	Article	IF	Citations
19	Features of mineral composition of some ordinary chondrites. AIP Conference Proceedings, 2017, , .	0.4	1
20	Meteorite Seymchan structure. AIP Conference Proceedings, 2016, , .	0.4	1
21	MÃ¶ssbauer spectroscopy of H, L and LL ordinary chondrites. Hyperfine Interactions, 2016, 237, 1.	0.5	8
22	The 57Fe hyperfine interactions in the iron-bearing phases in some LL ordinary chondrites. Hyperfine Interactions, 2016, 237, 1.	0.5	4
23	Study of Chelyabinsk LL5 meteorite fragments with different lithology using MÃ¶ssbauer spectroscopy with a high velocity resolution. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 1103-1111.	1.5	18
24	Iron sulfide (troilite) inclusion extracted from Sikhote-Alin iron meteorite: Composition, structure and magnetic properties. Materials Chemistry and Physics, 2016, 174, 100-111.	4.0	14
25	MÃ¶ssbauer parameters of ordinary chondrites influenced by the fit accuracy of the troilite component: an example of Chelyabinsk LL5 meteorite. Hyperfine Interactions, 2016, 237, 1.	0.5	24
26	The 57Fe hyperfine interactions in the iron bearing phases in different fragments of Chelyabinsk LL5 meteorite: a comparative study using MÃ¶ssbauer spectroscopy with a high velocity resolution. Hyperfine Interactions, 2015, 230, 79-87.	0.5	8
27	Study of Chelyabinsk LL5 meteorite fragment with a light lithology and its fusion crust using MÃ¶ssbauer spectroscopy with a high velocity resolution. AIP Conference Proceedings, 2014, , .	0.4	6
28	Characterization of a Chelyabinsk LL5 meteorite fragment using MÃ¶ssbauer spectroscopy with a high velocity resolution. Hyperfine Interactions, 2014, 226, 559-564.	0.5	14
29	A comparative study of troilite in bulk ordinary chondrites Farmington L5, Tsarev L5 and Chelyabinsk LL5 using MÃ¶ssbauer spectroscopy with a high velocity resolution. Journal of Molecular Structure, 2014, 1073, 196-201.	3.6	23
30	MÃ¶ssbauer spectroscopy with a high velocity resolution applied for the study of meteoritic iron-bearing minerals. Journal of Molecular Structure, 2013, 1044, 268-278.	3.6	19
31	Variations in quadrupole splitting of the 57 Fe in the M1 and M2 sites of meteoritic olivines with different origin. Hyperfine Interactions, 2013, 222, 61-66.	0.5	8
32	Study of olivines from Omolon and Seymchan meteorites using X-ray diffraction and Mol̂ssbauer spectroscopy with a high velocity resolution. , 2012, , .		0
33	Variations in quadrupole splitting of the 57 Fe in the M1 and M2 sites of meteoritic olivines with different origin. , 2012, , 305-310.		0
34	57Fe hyperfine interactions in M1 and M2 sites of olivine from Omolon meteorite: study using MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 2010, 197, 295-300.	0.5	10
35	57Fe hyperfine interactions in M1 and M2 sites of olivine from Omolon meteorite: study using MÃ¶ssbauer spectroscopy. , 2010, , 295-300.		0
36	Mossbauer spectroscopy with high velocity resolution in the study of iron-bearing minerals in meteorites. European Journal of Mineralogy, 2009, 21, 51-63.	1.3	22

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37	Hyperfine interactions in metal extracted from ordinary chondrite Tsarev L5: A study using MÃ¶ssbauer spectroscopy with high-velocity resolution. Journal of Physics and Chemistry of Solids, 2008, 69, 1790-1795.	4.0	14
38	MÃ¶ssbauer spectroscopy with high velocity resolution in the study of ordinary chondrites. Hyperfine Interactions, 2008, 186, 61-68.	0.5	23
39	A study of ordinary chondrites by MÃ¶ssbauer spectroscopy with highâ€velocity resolution. Meteoritics and Planetary Science, 2008, 43, 941-958.	1.6	58
40	Study of Meteorites Using Moì^ssbauer Spectroscopy with High Velocity Resolution. , 2008, , .		4
41	Determination of quadrupole splitting for 57Fe in M1 and M2 sites of both olivine and pyroxene in ordinary chondrites using MÃ¶ssbauer spectroscopy with high velocity resolution. , 2008, , 193-199.		0
42	Study of metal grains extracted from chondrite Tsarev L5 using MÃ¶ssbauer spectroscopy with high velocity resolution. , 2008, , 209-215.		0
43	MÃ¶ssbauer spectroscopy with high velocity resolution in the study of ordinary chondrites. , 2008, , 943-950.		0
44	Study of ordinary chondrites by MÃ¶ssbauer spectroscopy with high velocity resolution: identification of M1 and M2 sites in silicate phases. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1185-1191.	1.8	33
45	Determination of quadrupole splitting for 57Fe in M1 and M2 sites of both olivine and pyroxene in ordinary chondrites using MÃ¶ssbauer spectroscopy with high velocity resolution. Hyperfine Interactions, 2007, 177, 65-71.	0.5	18
46	Study of metal grains extracted from chondrite Tsarev L5 using MÃ¶ssbauer spectroscopy with high velocity resolution. Hyperfine Interactions, 2007, 177, 81-87.	0.5	7
47	MÃ¶ssbauer spectroscopy of ordinary chondrites: an analysis of the metal phases. Hyperfine Interactions, 2006, 166, 665-670.	0.5	14