

Boriana Mihailova

List of Publications by Year in descending order

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162
papers

3,535
citations

126907

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167
all docs

167
docs citations

167
times ranked

3367
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of symmetry-breaking strains on quartz inclusions in anisotropic hosts: Implications for Raman elastic geobarometry. <i>Lithos</i> , 2022, 422-423, 106716.	1.4	6
2	Crack-enhanced weathering in inscribed marble: a possible application in epigraphy. <i>European Journal of Mineralogy</i> , 2021, 33, 189-202.	1.3	0
3	Using the elastic properties of zircon-garnet host-inclusion pairs for thermobarometry of the ultrahigh-pressure Dora-Maira whiteschists: problems and perspectives. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	17
4	Atomistic insight into lithospheric conductivity revealed by phononâ€“electron excitations in hydrous iron-bearing silicates. <i>Communications Materials</i> , 2021, 2, .	6.9	8
5	The structural state of Finnish Cr- and V-bearing clinozoisite: insights from Raman spectroscopy. <i>Physics and Chemistry of Minerals</i> , 2021, 48, 1.	0.8	4
6	Microscopic origin of giant piezoelectricity in ferroelectric BiO_3 . <i>Physical Review B</i> , 2021, 104, .	3.2	1
7	Nondestructive determination of the amphibole crystalâ€“chemical formulae by Raman spectroscopy: One step closer. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1530-1548.	2.5	20
8	The effect of the A-Site cation on the structural transformations in $\text{ABi}_4\text{Ti}_4\text{O}_{15}$ (A= Ba, Sr): Raman scattering studies. <i>Journal of Solid State Chemistry</i> , 2020, 283, 121131.	2.9	8
9	Quartz metastability at high pressure: what new can we learn from polarized Raman spectroscopy?. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	15
10	Establishing a protocol for the selection of zircon inclusions in garnet for Raman thermobarometry. <i>American Mineralogist</i> , 2020, 105, 992-1001.	1.9	15
11	Adaptive dipolar correlation in ferroelectric BiO_3		

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19	Measurement of strains in zircon inclusions by Raman spectroscopy. <i>European Journal of Mineralogy</i> , 2019, 31, 685-694.	1.3	27
20	Adaptive strain prompting a pseudo-morphotropic phase boundary in ferroelectric (1- x) $\text{Pb}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$. <i>Physical Review B</i> , 2018, 97, .	3.2	20
21	How geometry and anisotropy affect residual strain in host-inclusion systems: Coupling experimental and numerical approaches. <i>American Mineralogist</i> , 2018, 103, 2032-2035.	1.9	58
22	Stochastic Polarization Instability in PbTiO_3 . <i>Physical Review Letters</i> , 2018, 121, 137602.	7.8	11
23	Multistep coupling of preexisting local ferroic distortions in PbTiO_3 above the Curie temperature. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 435401.	1.8	5
24	The dynamics of Fe oxidation in riebeckite: A model for amphiboles. <i>American Mineralogist</i> , 2018, 103, 1103-1111.	1.9	32
25	The crystal-chemistry of riebeckite, ideally $\text{Na}_2\text{Fe}_3\text{Fe}_2\text{Si}_8\text{O}_{22}(\text{OH})_2$: a multi-technique study. <i>Mineralogical Magazine</i> , 2018, 82, 837-852.	1.4	13
26	Radiation-damaged zircon under high pressures. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 981-993.	0.8	20
27	The effect of osteoblasts on the surface oxidation processes of biodegradable Mg and Mg-Ag alloys studied by synchrotron IR microspectroscopy. <i>Materials Science and Engineering C</i> , 2018, 91, 659-668.	7.3	19
28	Crystal chemistry of tourmalines from the Erongo Mountains, Namibia, studied by Raman spectroscopy. <i>European Journal of Mineralogy</i> , 2017, 29, 257-267.	1.3	5
29	Composition-thermal expandability relations and oxidation processes in tourmaline studied by in situ Raman spectroscopy. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 735-748.	0.8	9
30	Atomic-level structural correlations across the morphotropic phase boundary of a ferroelectric solid solution: $x\text{BiMg}_{1/2}\text{Ti}_{1/2}\text{O}_3$ - $(1-x)\text{PbTiO}_3$. <i>Scientific Reports</i> , 2017, 7, 471.	3.3	20
31	Synthesis of new cobalt aluminophosphate framework by opening a cobalt methylphosphonate layered material. <i>CrystEngComm</i> , 2017, 19, 5100-5105.	2.6	6
32	Raman scattering study of the effect of A- and B-site substitution on the room-temperature structure of $\text{A}_4\text{B}_4\text{Ti}_4\text{O}_{15}$. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 196, 012041.	0.6	2
33	$\text{NaBi}_{0.5}\text{Ti}_{0.5}\text{O}_3$. <i>Physical Review B</i> , 2017, 96, .	3.2	29
34	Favorable Concurrence of Static and Dynamic Phenomena at the Morphotropic Phase Boundary of $x\text{BiNi}_{0.5}\text{Zr}_{0.5}\text{O}_3$ - $(1-x)\text{PbTiO}_3$. <i>Physical Review Letters</i> , 2017, 119, 207604.	7.8	18
35	Structural phase transitions of clinopyroxene and the dynamic Jahn-Teller effect. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 307-321.	0.8	13
36	Thermal annealing of natural, radiation-damaged pyrochlore. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017, 232, 25-38.	0.8	17

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37	Structural transformations in $\text{Pb}_{1-x}\text{Bi}_x\text{Ti}_4\text{Mn}_2\text{O}_{15}$		
38	Ferroelasticity in palmierite-type $\text{Pb}_3(\text{PO}_4)_2\text{AsO}_4$. Journal of Physics Condensed Matter, 2017, 29, 213001.	1.8	1
39	Titanium silicalite-1 macrostructures for photocatalytic removal of organic pollutants from aqueous media. Journal of Porous Materials, 2016, 23, 1421-1429.	2.6	5
40	Exploring the potential of Raman spectroscopy for crystallochemical analyses of complex hydrous silicates: II. Tourmalines. American Mineralogist, 2016, 101, 970-985.	1.9	61
41	The effect of chemical variations on the structural polarity of relaxor ferroelectrics studied by resonance Raman spectroscopy. Journal of Physics Condensed Matter, 2016, 28, 475902.	1.8	5
42	Influence of the octahedral cationic-site occupancies on the framework vibrations of Li-free tourmalines, with implications for estimating temperature and oxygen fugacity in host rocks. American Mineralogist, 2016, 101, 2554-2563.	1.9	19
43	Magnesium degradation influenced by buffering salts in concentrations typical of in vitro and in vivo models. Materials Science and Engineering C, 2016, 58, 817-825.	7.3	61
44	Mesoscopic-scale structure and dynamics near the morphotropic phase boundary of $\text{Pb}_{1-x}\text{Bi}_x\text{Ti}_4\text{Mn}_2\text{O}_{15}$. Physical Review B, 2015, 92, .	3.2	15
45	Luminescence Matching with the Sensitivity Curve of the Human Eye: Optical Ceramics $\text{Mg}_{8-x}\text{M}_x(\text{BN}_2)_2\text{N}_4$ with $M = \text{Al}$ ($x = 2$) and $M = \text{Si}$ ($x = 1$). European Journal of Inorganic Chemistry, 2015, 2015, 1716-1725.	2.0	14
46	Electric-field-induced local structural phenomena in Pb-based ABO_3 -type relaxor ferroelectrics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 7-17.	3.0	8
47	A new polar symmetry of huebnerite (MnWO_4) with ferrodistorive domains. Journal of Magnetism and Magnetic Materials, 2015, 394, 160-172.	2.3	6
48	Silver zeolite-loaded silicone elastomers: a multidisciplinary approach to synthesis and antimicrobial assessment. RSC Advances, 2015, 5, 40932-40939.	3.6	21
49	Blood compatibility of magnesium and its alloys. Acta Biomaterialia, 2015, 25, 384-394.	8.3	38
50	Pressure-induced transformation processes in ferroelastic $\text{Pb}_3(\text{P}_{1-x}\text{Tj}_x\text{ETQqO}_0\text{O}_0\text{rgBT})$. Kristallographie - Crystalline Materials, 2015, 230, 593-603.	0.8	4
51	Further insights into the structural transformations in $\text{PbBi}_4\text{Ti}_4\text{O}_{15}$ revealed by Raman spectroscopy. Journal of Applied Physics, 2015, 117, 064102.	2.5	10
52	Exploring the potential of Raman spectroscopy for crystallochemical analyses of complex hydrous silicates: I. Amphiboles. American Mineralogist, 2015, 100, 2682-2694.	1.9	34
53	Frequency dependence of the characteristic temperatures in $\text{PbSc}_{0.5}\text{Ta}_{0.36}\text{Nb}_{0.14}\text{O}_3$ relaxor ferroelectrics crystals seen via acoustic emission. Journal of Applied Physics, 2014, 115, 084103.	2.5	3
54	Detection of the critical end point in $\text{PbSc}_{0.5}\text{Ta}_{0.36}\text{Nb}_{0.14}\text{O}_3$ relaxor ferroelectrics crystals via acoustic emission. Materials Research Express, 2014, 1, 035026.	1.6	3

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55	Electric-field-induced local structural phenomena in relaxor ferroelectric $\text{PbSc}_{0.5}\text{Nb}_{0.5}\text{O}_3$ near the intermediate temperature T^* studied by Raman spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 175401.	1.8	15
56	Atomistic origin of huge response functions at the morphotropic phase boundary of $\text{PbSc}_{0.5}\text{Nb}_{0.5}\text{O}_3$. <i>Physical Review B</i> , 2014, 90, .	3.2	6
57	Resonance Raman scattering of perovskite-type relaxor ferroelectrics under nonambient conditions. <i>Physical Review B</i> , 2014, 90, .	3.2	15
58	X-ray absorption spectroscopy of Ru-doped relaxor ferroelectrics with a perovskite-type structure. <i>Physical Review B</i> , 2014, 89, .	0.3	3
59	Galloplumbogummite from Tsumeb, Namibia, a new member of the alunite group with tetravalent charge balance. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2014, 191, 301-309.	1.0	12
60	TEMPERATURE-INDUCED P21/c TO C2/c PHASE TRANSITION IN PARTIALLY AMORPHOUS (METAMICT) TITANITE REVEALED BY RAMAN SPECTROSCOPY. <i>Canadian Mineralogist</i> , 2014, 52, 91-100.	0.3	5
61	The new mineral erikapohlite, $\text{Cu}_3(\text{Zn,Cu,Mg})_4\text{Ca}_2(\text{AsO}_4)_6 \cdot 2\text{H}_2\text{O}$, the Ca-dominant analogue of keyite, from Tsumeb, Namibia. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2013, 190, 319-325.	1.8	12
62	In situ high-temperature high-pressure Raman spectroscopy on single-crystal relaxor ferroelectrics $\text{PbSc}_{1/2}\text{Ta}_{1/2}\text{O}_3$ and $\text{PbSc}_{1/2}\text{Nb}_{1/2}\text{O}_3$. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 155902.	1.8	10
63	Chemically induced renormalization phenomena in Pb-based relaxor ferroelectrics under high pressure. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 115403.	2.5	18
64	Effect of A-site La, Ba, and Sr doping on the threshold field and characteristic temperatures of $\text{PbSc}_{0.5}\text{Nb}_{0.5}\text{O}_3$ relaxor studied by acoustic emission. <i>Journal of Applied Physics</i> , 2013, 113, 054105.	3.2	3
65	High-pressure Brillouin scattering of the single-crystal $\text{PbSc}_{1/2}\text{Ta}_{1/2}\text{O}_3$ relaxor ferroelectric. <i>Physical Review B</i> , 2013, 87, .	1.2	8
66	Pressure-induced structural transformations in advanced ferroelectrics with relaxor behaviour. <i>High Pressure Research</i> , 2013, 33, 595-606.	2.5	19
67	Raman and IR reflection microspectroscopic study of Er:YAG laser treated permanent and deciduous human teeth. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1483-1490.	0.8	2
68	The role of lone pairs in the ferroelastic phase transition in the palmierite-type lead phosphate-arsenate solid solution. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2012, 227, 585-593.	1.3	4
69	Atelosite-(Y), a new rare earth defect silicate of the KDP structure type. <i>European Journal of Mineralogy</i> , 2012, 24, 1053-1060.	6.7	32
70	Micron- and nanosized FAU-type zeolites from fly ash for antibacterial applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 16897.	2.5	13
71	Influence of electric field on local phase transformations in relaxor ferroelectrics $\text{PbSc}_{0.5}\text{Ta}_{0.5}\text{O}_3$ and $\text{Pb}_{0.78}\text{Ba}_{0.22}\text{Sc}_{0.5}\text{Ta}_{0.5}\text{O}_3$. <i>Journal of Applied Physics</i> , 2012, 112, 124111.	2.5	19
72	Effect of A-site La and Ba doping on threshold field and characteristic temperatures of $\text{PbSc}_{0.5}\text{Ta}_{0.5}\text{O}_3$ relaxor studied by acoustic emission. <i>Journal of Applied Physics</i> , 2012, 112, 064107.		

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73	Pressure-induced structural transformations in pure and Bi-doped $0.9\text{PbZn}_{0.1}\text{PbO}_3$. Physical Review B, 2011, 83, 014111.	3.2	13
74	Structural anisotropy and annealing-induced nanoscale atomic rearrangements in metamict titanite. American Mineralogist, 2012, 97, 1354-1365.	1.9	17
75	Electric field dependence of characteristic temperatures in $\text{PbSc}_{0.5}\text{Ta}_{0.5}\text{O}_3$ and $\text{Pb}_{0.78}\text{Ba}_{0.22}\text{Sc}_{0.5}\text{Ta}_{0.5}\text{O}_3$. Europhysics Letters, 2011, 94, 57002.	2.0	21
76	The structural state of lead-based relaxor ferroelectrics under pressure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1905-1913.	3.0	17
77	Effect of La doping on the ferroic order in Pb-based perovskite-type relaxor ferroelectrics. Physical Review B, 2011, 83, 014111.	3.2	24
78	Structural state of relaxor ferroelectrics $\text{PbSc}_{0.5}\text{Ta}_{0.5}\text{O}_3$ and $\text{Pb}_{0.78}\text{Ba}_{0.22}\text{Sc}_{0.5}\text{Ta}_{0.5}\text{O}_3$. Europhysics Letters, 2011, 94, 57002.	3.2	20
79	Transformation processes in relaxor ferroelectric $\text{PbSc}_{0.5}\text{Ta}_{0.5}\text{O}_3$ heavily doped with Nb and Sn. Zeitschrift für Kristallographie, 2011, 226, 126-137.	1.1	42
80	Preface: Advanced Ferroelectrics: Structure and Properties. Zeitschrift für Kristallographie, 2011, 226, V-V.	1.1	0
81	Chemical surface alteration of biodegradable magnesium exposed to corrosion media. Acta Biomaterialia, 2011, 7, 2704-2715.	8.3	174
82	High-pressure powder neutron diffraction study on lead scandium niobate. Journal of Physics Condensed Matter, 2011, 23, 035902.	1.8	16
83	Local structural phenomena in pure and Bi-doped $0.9\text{PbZn}_{0.1}\text{PbO}_3$. Physical Review B, 2011, 83, 014111.	3.2	51
84	Effect of Artificial Saliva on the Apatite Structure of Eroded Enamel. International Journal of Spectroscopy, 2011, 2011, 1-9.	1.6	13
85	Evidence of local anisotropic strains in relaxor ferroelectrics below intermediate temperature T^* detected by acoustic emission. Journal of Physics Condensed Matter, 2010, 22, 222201.	1.8	13
86	ATTENUATED TOTAL-REFLECTION INFRARED MICROSPECTROSCOPY OF PARTIALLY DISORDERED ZIRCON. Canadian Mineralogist, 2010, 48, 1409-1421.	1.0	2
87	Gravimetric and spectroscopic studies of the chemical combination of moisture by as-fired and reheated terracotta. Journal of the European Ceramic Society, 2010, 30, 1867-1872.	5.7	19
88	Octahedral tilting in Pb-based relaxor ferroelectrics at high pressure. Acta Crystallographica Section B: Structural Science, 2010, 66, 280-291.	1.8	27
89	Chemical mixing and hard mode spectroscopy in ferroelastic lead phosphate arsenate: local symmetry splitting and multiscaling behaviour. Journal of Physics Condensed Matter, 2010, 22, 045403.	1.8	4
90	site doping-induced renormalization of structural transformations in the $\text{PbSc}_{0.5}\text{Ta}_{0.5}\text{O}_3$. Physical Review B, 2010, 81, .	3.2	15

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91	Structural phenomena of metamict titanite: a synchrotron, X-ray diffraction and vibrational spectroscopic study. Phase Transitions, 2010, 83, 694-702.	1.3	15
92	Phase transformation above T_m in $\text{PbSc}_{0.5}\text{Nb}_{0.5}\text{O}_3$. Physical Review B, 2010, 82, .	3.2	37
93	Effect of Ba incorporation on pressure-induced structural changes in the relaxor ferroelectric $\text{PbSc}_{0.5}\text{Nb}_{0.5}\text{O}_3$. Physical Review B, 2009, 80, .	3.2	16
94	Effect of local elastic strain on the structure of Pb-based relaxors: A comparative study of pure and Ba- and Bi-doped $\text{PbSc}_{0.5}\text{Nb}_{0.5}\text{O}_3$. Physical Review B, 2009, 79, .	3.2	47
95	Modern Spectroscopic Methods Applied to Nanoscale Porous Materials. , 2009, , 187-209.		0
96	Ferroelectric properties of ruthenium-doped lead zinc niobate-lead titanate single crystal. Journal of Applied Physics, 2009, 106, 074108.	2.5	15
97	Synthesis and nonlinear optical properties of $\text{TeO}_2\text{-Bi}_2\text{O}_3\text{-GeO}_2$ glasses. Scripta Materialia, 2009, 61, 493-496.	5.2	38
98	Side effects of a non- H_2O_2 -based home bleaching agent on dental enamel. Journal of Biomedical Materials Research - Part A, 2009, 88A, 195-204.	4.0	17
99	High pressure Raman spectroscopic study on the relaxor ferroelectric $\text{PbSc}_{0.5}\text{Nb}_{0.5}\text{O}_3$. Journal of Physics Condensed Matter, 2009, 21, 235901.	1.8	23
100	Indirect Observation of Structured Incipient Zeolite Nanoparticles in Clear Precursor Solutions. Angewandte Chemie - International Edition, 2008, 47, 8650-8653.	13.8	13
101	Organic functionalization of Silicalite-1 nanocrystals by ultrasonic treatment in methanol. Microporous and Mesoporous Materials, 2008, 116, 59-62.	4.4	8
102	Pressure-Induced Phase Transition in $\text{PbSc}_{0.5}\text{Ta}_{0.5}\text{O}_3$ as a Model Pb-Based Perovskite-Type Relaxor Ferroelectric. Physical Review Letters, 2008, 101, 017602.	7.8	45
103	New Insights into Structural Alteration of Enamel Apatite Induced by Citric Acid and Sodium Fluoride Solutions. Journal of Physical Chemistry B, 2008, 112, 8840-8848.	2.6	18
104	High-temperature structural transformations in the relaxor ferroelectrics $\text{PbSc}_{0.5}\text{Nb}_{0.5}\text{O}_3$. Physical Review B, 2008, 77, .	3.2	76
105	Structural state of microcrystalline opals: A Raman spectroscopic study. American Mineralogist, 2007, 92, 1325-1333.	1.9	48
106	Ferroc nanoclusters in relaxors: the effect of oxygen vacancies. Journal of Physics Condensed Matter, 2007, 19, 246220.	1.8	16
107	Ferroc clustering and phonon anomalies in Pb-based perovskite-type relaxors. Journal of Physics Condensed Matter, 2007, 19, 275205.	1.8	11
108	Resonance Raman scattering of relaxors $\text{PbSc}_{0.5}\text{Ta}_{0.5}\text{O}_3$ and $\text{PbSc}_{0.5}\text{Nb}_{0.5}\text{O}_3$. Applied Physics Letters, 2007, 90, 042907.	3.3	6

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109	In Vitro Study on Bleached Enamel. Key Engineering Materials, 2007, 361-363, 833-836.	0.4	0
110	Effect of Bleaching on Dental Hard Tissues: A Raman and IR Spectroscopic Study. Key Engineering Materials, 2007, 330-332, 1405-1408.	0.4	0
111	Modified colloidal silicalite-1 crystals and their use for preparation of Langmuir-Blodgett films. Studies in Surface Science and Catalysis, 2007, , 577-584.	1.5	5
112	Zeolite Beta Films Prepared via the Langmuir-Blodgett Technique. Journal of Physical Chemistry C, 2007, 111, 12052-12057.	3.1	16
113	Langmuir-Blodgett Deposited Monolayers of Silicalite-1 Seeds for Secondary Growth of Continuous Zeolite Films. Chemistry of Materials, 2007, 19, 5806-5808.	6.7	32
114	CO ₂ laser-induced zonation in dental enamel: A Raman and IR microspectroscopic study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 81B, 499-507.	3.4	10
115	Hydrothermal synthesis of microporous titanosilicates. Microporous and Mesoporous Materials, 2007, 105, 232-238.	4.4	33
116	Structural, optical and dielectric properties of relaxor-ferroelectric Pb _{0.78} Ba _{0.22} Sc _{0.5} Ta _{0.5} O ₃ . Journal of Physics Condensed Matter, 2006, 18, L385-L393.	1.8	18
117	Atomic arrangements in amorphous sodium titanosilicate precursor powders. Microporous and Mesoporous Materials, 2005, 86, 223-230.	4.4	26
118	Zeolite Beta nanosized assemblies. Microporous and Mesoporous Materials, 2005, 80, 227-235.	4.4	85
119	Temperature-dependent Raman spectra of HoMn ₂ O ₅ and TbMn ₂ O ₅ . Physical Review B, 2005, 71, .	3.2	60
120	Nanoscale phase transformations in relaxor-ferroelectric lead scandium tantalate and lead scandium niobate. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, .	0.8	10
121	Nondestructive Identification of Colloidal Molecular Sieves Stabilized in Water. Journal of Physical Chemistry B, 2005, 109, 17060-17065.	2.6	20
122	Interlayer stacking disorder in zeolite beta family: a Raman spectroscopic study. Physical Chemistry Chemical Physics, 2005, 7, 2756.	2.8	52
123	Colloidal molecular sieves: Model system for kinetic study of crystal growth process. Studies in Surface Science and Catalysis, 2004, 154, 163-170.	1.5	3
124	Periodic precipitation pattern formation in hydrothermally treated metamict zircon. American Mineralogist, 2004, 89, 1341-1347.	1.9	31
125	Temperature-induced structural transformations of layered titanosilicate JDF-L1. Solid State Sciences, 2004, 6, 967-972.	3.2	17
126	Photochemistry of 2-(2-Hydroxyphenyl)benzothiazole Encapsulated in Nanosized Zeolites. Journal of Physical Chemistry A, 2004, 108, 10640-10648.	2.5	43

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127	Nanosized Gismondine Grown in Colloidal Precursor Solutions. <i>Langmuir</i> , 2004, 20, 5271-5276.	3.5	38
128	Closely Packed Zeolite Nanocrystals Obtained via Transformation of Porous Amorphous Silica. <i>Chemistry of Materials</i> , 2004, 16, 5452-5459.	6.7	50
129	Local phenomena in relaxor-ferroelectric $\text{PbSc}_{0.5}\text{B}^{\text{A}}\text{O}_3$ ($\text{B}^{\text{A}} = \text{Nb, Ta}$) studied by Raman spectroscopy. <i>Journal of Molecular Structure</i> , 2003, 661-662, 469-479.	3.6	19
130	Raman Scattering in Locally Inhomogeneous Oxide Crystals. <i>Phase Transitions</i> , 2003, 76, 17-32.	1.3	4
131	Local structure and dynamics in relaxor-ferroelectric $\text{PbSc}_{1/2}\text{Nb}_{1/2}\text{O}_3$ and $\text{PbSc}_{1/2}\text{Ta}_{1/2}\text{O}_3$ single crystals. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 1091-1105.	1.8	65
132	Raman spectroscopy study of metal-containing boron carbide-based ceramics. <i>Solid State Sciences</i> , 2002, 4, 37-41.	3.2	8
133	Aging effects on the nucleation and crystallization kinetics of colloidal TPA-silicalite-1. <i>Microporous and Mesoporous Materials</i> , 2001, 43, 51-59.	4.4	125
134	Zeolite beta spheres. <i>Microporous and Mesoporous Materials</i> , 2001, 48, 31-37.	4.4	64
135	Vibration spectroscopy study of hydrolyzed precursors for sintering calcium phosphate bio-ceramics. <i>Journal of Materials Science</i> , 2001, 36, 4291-4297.	3.7	10
136	Wall-related Raman scattering in ferroelastic lead phosphate $\text{Pb}_3(\text{PO}_4)_2$. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 9383-9392.	1.8	15
137	Modeling of Raman spectra of H:LiNbO_3 . <i>Solid State Communications</i> , 2000, 116, 11-15.	1.9	12
138	Silicalite-1 macrostructures "preparation and structural features. <i>Microporous and Mesoporous Materials</i> , 2000, 39, 91-101.	4.4	36
139	The nucleation period for crystallization of colloidal TPA-silicalite-1 with varying silica source. <i>Microporous and Mesoporous Materials</i> , 2000, 40, 53-62.	4.4	78
140	The effect of seed size on the growth of silicalite-1 films on gold surfaces. <i>Microporous and Mesoporous Materials</i> , 2000, 38, 51-60.	4.4	27
141	Raman spectroscopic study of Mn-doped $\text{Bi}_4\text{Ge}_3\text{O}_{12}$. <i>Solid State Communications</i> , 1999, 112, 11-15.	1.9	13
142	Raman spectroscopy study of sillenites. II. Effect of doping on Raman spectra of $\text{Bi}_{12}\text{TiO}_{20}$. <i>Journal of Physics and Chemistry of Solids</i> , 1999, 60, 1829-1834.	4.0	43
143	Vibrational spectroscopy study of the structure of silicalite-1 films on a gold surface. <i>Microporous and Mesoporous Materials</i> , 1999, 32, 297-304.	4.4	11
144	Raman spectroscopy study of sillenites. I. Comparison between $\text{Bi}_{12}(\text{Si,Mn})\text{O}_{20}$ single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 1999, 60, 1821-1827.	4.0	58

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145	Raman spectroscopic study of Bi ₂ (MoO ₄) ₃ . Journal of Raman Spectroscopy, 1999, 30, 195-198.	2.5	11
146	Infrared spectroscopic study of a ¹³ C-mercaptopyltrimethoxysilane monolayer on a gold surface. Journal of Materials Chemistry, 1999, 9, 1507-1510.	6.7	6
147	A vibrational spectroscopic study of the growth of silicalite-1 films on seeded gold surfaces. Studies in Surface Science and Catalysis, 1999, , 221-228.	1.5	2
148	Raman spectroscopic study of Pb ₅ MoO ₈ . Journal of Raman Spectroscopy, 1998, 29, 405-410.	2.5	3
149	Characterization of water in microporous titanium silicates. Journal of Materials Science Letters, 1997, 16, 1303-1304.	0.5	21
150	Dependence of vibrational spectra of rings of SiO ₄ tetrahedra on their structural parameters. Solid State Communications, 1997, 101, 163-166.	1.9	2
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