

# Miroslaw Maczka

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

327  
papers

6,570  
citations

43  
h-index

57  
g-index

333  
ext. papers

7,418  
ext. citations

3.8  
avg, IF

5.99  
L-index

#	Paper	IF	Citations
327	Three-Dimensional Methylhydrazinium Lead Halide Perovskites: Structural Changes and Effects on Dielectric, Linear, and Nonlinear Optical Properties Entailed by the Halide Tuning. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 1600-1610	3.8	9
326	Methylhydrazinium lead iodide one dimensional chain phase with excitonic absorption and large energy band gap. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1249, 131660	3.4	4
325	Phase transition model of FA cation ordering in FAPbX <sub>3</sub> (X = Br, I) hybrid perovskites. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5210-5217	7.1	0
324	Temperature-Dependent Raman Studies of FAPbBr <sub>3</sub> and MAPbBr <sub>3</sub> Perovskites: Effect of Phase Transitions on Molecular Dynamics and Lattice Distortion. <i>Solids</i> , <b>2022</b> , 3, 111-121	0	1
323	Comparative Studies of Phonon Properties of Three-Dimensional Hybrid Organic-Inorganic Perovskites Comprising Methylhydrazinium, Methylammonium, and Formamidinium Cations. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 4048-4056	3.8	5
322	Lattice Dynamics and Structural Phase Transitions in Two-Dimensional Ferroelectric Methylhydrazinium Lead Bromide Investigated Using Raman and IR Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 7991-7998	3.8	2
321	Quantification of Exciton Fine Structure Splitting in a Two-Dimensional Perovskite Compound.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 4463-4469	6.4	6
320	The cation-dependent structural, magnetic and optical properties of a family of hypophosphite hybrid perovskites.. <i>Dalton Transactions</i> , <b>2021</b> ,	4.3	1
319	Stable and reversible pressure-controlled dielectric switching in dicyanide hybrid perovskite. <i>Applied Materials Today</i> , <b>2021</b> , 22, 100957	6.6	3
318	[Methylhydrazinium] <sub>2</sub> PbBr <sub>4</sub> , a Ferroelectric Hybrid Organic-Inorganic Perovskite with Multiple Nonlinear Optical Outputs. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 2331-2342	9.6	29
317	Mechanism of Pressure-Induced Phase Transitions and Structure-Property Relations in Methylhydrazinium Manganese Hypophosphite Perovskites. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 10121-10129	3.8	4
316	THz, Raman, IR and DFT studies of noncentrosymmetric metal dicyanamide frameworks comprising benzyltrimethylammonium cations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 251, 119416	4.4	1
315	Toward the Undiscovered Dielectric Properties of Hybrid Acetamidinium Manganese Formate under High Pressure. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 908-914	3.8	4
314	Benzyltrimethylammonium cadmium dicyanamide with polar order in multiple phases and prospects for linear and nonlinear optical temperature sensing. <i>Dalton Transactions</i> , <b>2021</b> , 50, 10580-10592	4.3	1
313	From ambient- to high-pressure dielectric response of perovskite formamidinium manganese formate. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 5740-5748	7.1	
312	Phase Diagram and Cation Dynamics of Mixed MA <sub>1-x</sub> FA <sub>x</sub> PbBr <sub>3</sub> Hybrid Perovskites. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 5926-5934	9.6	6
311	Molecular spectroscopy of hybrid organic-inorganic perovskites and related compounds. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 448, 214180	23.2	7

310	Cadmium and manganese hypophosphite perovskites templated by formamidinium cations: dielectric, optical and magnetic properties. <i>Dalton Transactions</i> , <b>2021</b> , 50, 2639-2647	4.3	10
309	Near-Infrared Phosphorescent Hybrid Organic-Inorganic Perovskite with High-Contrast Dielectric and Third-Order Nonlinear Optical Switching Functionalities.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	5
308	Cyano-bridged perovskite [(CH <sub>3</sub> ) <sub>3</sub> NOH] <sub>2</sub> [KM(CN) <sub>6</sub> ], [M: Fe(III), and Co(III)] for high-temperature multi-axial ferroelectric applications with enhanced thermal and nonlinear optical performance. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 17491-17501	7.1	9
307	Magnetic excitation and readout of methyl group tunnel coherence. <i>Science Advances</i> , <b>2020</b> , 6, eaba15174.3	4.3	7
306	Novel hypophosphite hybrid perovskites of [CHNHNH][Mn(HPOO)] and [CHNHNH][Mn(HPOO)(HCOO)] exhibiting antiferromagnetic order and red photoluminescence.. <i>RSC Advances</i> , <b>2020</b> , 10, 19020-19026	3.7	15
305	Pyrrolidinium-Based Cyanides: Unusual Architecture and Dielectric Switchability Triggered by Order-Disorder Process. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 8855-8863	5.1	17
304	Methylhydrazinium Lead Bromide: Noncentrosymmetric Three-Dimensional Perovskite with Exceptionally Large Framework Distortion and Green Photoluminescence. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 1667-1673	9.6	65
303	Phonon properties and mechanism of order-disorder phase transition in formamidinium manganese hypophosphite single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 230, 118010	4.4	8
302	Vibrational and optical studies of Na <sub>0.45</sub> K <sub>1.55</sub> Cu <sub>3</sub> (MoO <sub>4</sub> ) <sub>4</sub> . <i>Chemical Papers</i> , <b>2020</b> , 74, 3127-3133	1.9	
301	Electron paramagnetic resonance study of ferroelectric phase transition and dynamic effects in a Mn doped [NH][Zn(HCOO)] hybrid formate framework. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 8513-8521	3.6	1
300	Temperature-dependent luminescence and second-harmonic generation of perovskite-type manganese and cadmium dicyanamide frameworks templated by tetrapropylammonium cations. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153464	5.7	17
299	Crystal growth, IR specular reflectance and polarized Raman studies of LiNaMoO polar single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 228, 117850	4.4	3
298	Suppression of phase transitions and glass phase signatures in mixed cation halide perovskites. <i>Nature Communications</i> , <b>2020</b> , 11, 5103	17.4	25
297	Two-dimensional metal dicyanamide frameworks of BeTriMe[M(dca) <sub>3</sub> (H <sub>2</sub> O)] (BeTriMe = benzyltrimethylammonium; dca = dicyanamide; M = Mn <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> ): coexistence of polar and magnetic orders and nonlinear optical threshold temperature sensing. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11735-11747	7.1	8
296	NMR and Raman Scattering Studies of Temperature- and Pressure-Driven Phase Transitions in CH <sub>3</sub> NH <sub>2</sub> NH <sub>2</sub> PbCl <sub>3</sub> Perovskite. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 26999-27008	3.8	12
295	Vibrational Properties and DFT Calculations of Perovskite-Type Methylhydrazinium Manganese Hypophosphite. <i>Molecules</i> , <b>2020</b> , 25,	4.8	5
294	Revisiting a Perovskite-like Copper-Formate Framework NH <sub>4</sub> [Cu(HCOO) <sub>3</sub> ]: OrderDisorder Transition Influenced by Jahn-Teller Distortion and above Room-Temperature Switching of the Nonlinear Optical Response between Two SHG-Active States. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 18714-18723	3.8	6
293	Relaxing under pressure with a rigid niccolite formate framework. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 16736-16741	7.1	5

292	Three-Dimensional Perovskite Methylhydrazinium Lead Chloride with Two Polar Phases and Unusual Second-Harmonic Generation Bistability above Room Temperature. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 4072-4082	9.6	56
291	Impact of the Copper-Induced Local Framework Deformation on the Mechanism of Structural Phase Transition in $[(\text{CH}_3)_2\text{NH}_2][\text{Zn}(\text{HCOO})_3]$ Hybrid Metalformate Perovskite. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 23594-23603	3.8	7
290	Layered Lead Iodide of $[\text{Methylhydrazinium}]_2\text{PbI}_4$ with a Reduced Band Gap: Thermochromic Luminescence and Switchable Dielectric Properties Triggered by Structural Phase Transitions. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 8563-8575	9.6	46
289	Pressure-enhanced ferroelectric polarisation in a polar perovskite-like $[\text{C}_2\text{H}_5\text{NH}_3]\text{Na}_{0.5}\text{Cr}_{0.5}(\text{HCOO})_3$ metalorganic framework. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8660-8668	7.1	11
288	Raman and single-crystal X-ray diffraction evidence of pressure-induced phase transitions in a perovskite-like framework of $[(\text{CH}_3)_3\text{N}][\text{Mn}(\text{N}(\text{CN})_2)]$ . <i>Dalton Transactions</i> , <b>2019</b> , 48, 9072-9078	4.3	18
287	Preparation and Dielectric Characterization of P(VDF/TrFE) Copolymer-Based Composites Containing Metalformate Frameworks. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 16380-16387	3.8	2
286	Elucidation of dipolar dynamics and the nature of structural phases in the $[(\text{CH}_3)_2\text{NH}_2][\text{Zn}(\text{HCOO})_3]$ hybrid perovskite framework. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6779-6785	7.1	17
285	Spectroscopic Study of Structural Phase Transition and Dynamic Effects in a $[(\text{CH}_3)_2\text{NH}_2][\text{Cd}(\text{N}_3)_3]$ Hybrid Perovskite Framework. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 11840-11849	3.8	23
284	Temperature- and pressure-dependent studies of a highly flexible and compressible perovskite-like cadmium dicyanamide framework templated with protonated tetrapropylamine. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2408-2420	7.1	26
283	Structural, phonon, magnetic and optical properties of novel perovskite-like frameworks of $\text{TriBuMe}[\text{M}(\text{dca})]$ (TriBuMe = tributylmethylammonium; dca = dicyanamide; M = Mn, Fe, Co, Ni). <i>Dalton Transactions</i> , <b>2019</b> , 48, 13006-13016	4.3	28
282	Synthesis, crystal structure, phonon, magnetic and electrical properties of new molybdate $\text{Na}_2\text{Mn}_2(\text{MoO}_4)_3$ . <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 277, 738-750	3.3	9
281	Simulation of Structural Phase Transitions in Perovskite Methylhydrazinium Metalformate Frameworks: Coupled Ising and Potts Models. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 19912-19919	3.8	3
280	Spectral and energetic transformation of femtosecond light impulses in the $\text{Eu}^{3+}$ complex with dehydroacetic acid. <i>Journal of Luminescence</i> , <b>2018</b> , 198, 471-481	3.8	3
279	Raman inactive phonon-polariton dispersion in quantum paraelectric $\text{SrTiO}_3$ crystals studied by FTIR. <i>Ferroelectrics</i> , <b>2018</b> , 524, 1-8	0.6	4
278	Spectroscopic investigation and DFT modelling studies of Eu complex with 1-(2,6-dihydroxyphenyl)ethanone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 200, 322-329	4.4	
277	Spectroscopic Study of $[(\text{CH}_3)_2\text{NH}_2][\text{Zn}(\text{HCOO})_3]$ Hybrid Perovskite Containing Different Nitrogen Isotopes. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 10284-10292	3.8	19
276	Electron paramagnetic resonance of a copper doped $[(\text{CH}_3)_3\text{N}][\text{Zn}(\text{HCOO})_3]$ hybrid perovskite framework. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 12097-12105	3.6	8
275	Raman-scattering studies of pressure-induced phase transitions in perovskite-like acetamidinium manganese formate. <i>Journal of Raman Spectroscopy</i> , <b>2018</b> , 49, 312-316	2.3	8

274	Magnetic, optical and phonon properties of novel heterometallic formates [NH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH][M <sup>III</sup> M <sup>II</sup> (HCOO) <sub>6</sub> ] (M <sup>III</sup> = Fe, Cr; M <sup>II</sup> = Mn, Ni, Co). <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 260, 7-15	3.3	4
273	Optical and electrical properties of the yavapaiite-like molybdate NaAl(MoO <sub>4</sub> ) <sub>2</sub> . <i>Ionics</i> , <b>2018</b> , 24, 3515-3533		12
272	Phonon, optical and luminescent properties of novel heterometallic frameworks of [(NH <sub>4</sub> )(H <sub>2</sub> O)][Cr <sup>III</sup> M <sup>II</sup> (HCOO) <sub>6</sub> ] (M <sup>II</sup> =Mn, Zn, Co, Ni). <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 732, 201-209	5.7	4
271	High-temperature X-ray diffraction and spectroscopic studies of some Aurivillius phases. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 204, 8-17	4.4	8
270	Characterization of a sodium molybdate compound [Na <sub>4</sub> Cu(MoO <sub>4</sub> ) <sub>3</sub> ]. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 731, 955-963	5.7	8
269	Framework and coordination strain in two isostructural hybrid metal-organic perovskites. <i>CrystEngComm</i> , <b>2018</b> , 20, 5348-5355	3.3	14
268	Cations size mismatch versus bonding characteristics: synthesis, structure and oxygen ion conducting properties of pyrochlore-type lanthanide hafnates. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 13513-13529	4.3	7
267	On the origin of ferroelectric structural phases in perovskite-like metal-organic formate. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9420-9429	7.1	28
266	Remarkable resilience of the formate cage in a multiferroic metal organic framework material: dimethyl ammonium manganese formate (DMAMnF). <i>Dalton Transactions</i> , <b>2018</b> , 47, 12993-13005	4.3	14
265	Simple, fast and non-destructive method for detection of dimethylammonium impurity in photovoltaic methylammonium lead halides <b>2018</b> , 1, 45-48		4
264	Synthesis, magnetic and vibrational properties of two novel mixed-valence iron(II)-iron(III) formate frameworks. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 258, 163-169	3.3	6
263	Broadband phonon-polariton dispersion relation of ferroelectric LiTaO <sub>3</sub> crystals. <i>Ferroelectrics</i> , <b>2018</b> , 533, 124-131	0.6	2
262	Temperature-dependent studies of a new two-dimensional cadmium dicyanamide framework exhibiting an unusual temperature-induced irreversible phase transition into a three-dimensional perovskite-like framework. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 29951-29958	3.6	22
261	Insight into understanding structural relaxation dynamics of [NH <sub>2</sub> NH <sub>3</sub> ][Mn(HCOO) <sub>3</sub> ] metal-organic formate. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2018</b> , 236-237, 24-31	3.1	3
260	Isodimorphism in a binary system BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> -CaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> . <i>Materials Research Bulletin</i> , <b>2018</b> , 108, 1635-169		2
259	A Critical Review of Existing Criteria for the Prediction of Pyrochlore Formation and Stability. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 12093-12105	5.1	45
258	Dielectric relaxation and anhydrous proton conduction in [CHNH][NaFe(HCOO)] metal-organic frameworks. <i>Dalton Transactions</i> , <b>2017</b> , 46, 3681-3687	4.3	14
257	Electrical and thermophysical properties of mechanochemically obtained lanthanide hafnates. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 1994-2004	3.8	26

256	Phase Transitions and Coexistence of Magnetic and Electric Orders in the Methylhydrazinium Metal Formate Frameworks. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2264-2275	9.6	114
255	Vibrational and magnetic properties of [C <sub>2</sub> H <sub>5</sub> NH <sub>3</sub> ][FeIIIMII(HCOO) <sub>6</sub> ] (M = Mn, Ni) and [C <sub>2</sub> H <sub>5</sub> NH <sub>3</sub> ][CrIIIMnII(HCOO) <sub>6</sub> ] framework compounds. <i>Vibrational Spectroscopy</i> , <b>2017</b> , 90, 74-80	2.1	7
254	Vibrational investigation of pressure- and temperature-induced phase transitions in metal formates templated by ethylammonium ions. <i>Journal of Raman Spectroscopy</i> , <b>2017</b> , 48, 972-982	2.3	10
253	The effect of K cations on the phase transitions, and structural, dielectric and luminescence properties of [cat][KCr(HCOO)], where cat is protonated dimethylamine or ethylamine. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12156-12166	3.6	25
252	Spectroscopic properties of Eu <sup>3+</sup> complex with 2-hydroxy-4-methoxy-benzophenone $\Pi$ R, Raman, DFT calculations and femtosecond laser excited luminescence. <i>Journal of Luminescence</i> , <b>2017</b> , 190, 371-378	3.8	378
251	Polar metal-formate frameworks templated with 1,2-diaminoethane-water assemblies showing ferromagnetic and ferroelectric properties. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 16749-16757	3.6	6
250	Synthesis and temperature-dependent studies of a perovskite-like manganese formate framework templated with protonated acetamidine. <i>Dalton Transactions</i> , <b>2017</b> , 46, 8476-8485	4.3	20
249	Mechanochemical synthesis, crystal structure and ion conduction in the Gd <sub>2</sub> Hf <sub>2</sub> Ti <sub>x</sub> O <sub>7</sub> system. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 11933-11946	4.3	16
248	Electron paramagnetic resonance and electric characterization of a [CH <sub>3</sub> NH <sub>2</sub> NH <sub>2</sub> ][Zn(HCOO) <sub>3</sub> ] perovskite metal formate framework. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4526-4536	7.1	28
247	Exploring the Antipolar Nature of Methylammonium Lead Halides: A Monte Carlo and Pyrocurrent Study. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 4906-4911	6.4	20
246	Single Crystal Electron Paramagnetic Resonance of Dimethylammonium and Ammonium Hybrid Formate Frameworks: Influence of External Electric Field. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 16533-16540	3.8	19
245	Pulse EPR and ENDOR Study of Manganese Doped [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ][Zn(HCOO) <sub>3</sub> ] Hybrid Perovskite Framework. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 27225-27232	3.8	15
244	Molecular structure and vibrational properties of pyramidal MPC <sup>+</sup> phthalocyanine cation in InPcI and LuPc(OAc) complexes. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1130, 699-710	3.4	2
243	Synthesis and characterization of two novel chiral-type formate frameworks templated by protonated diethylamine and ammonium cations. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 245, 23-29	3.3	7
242	High pressure Raman scattering study on SmMoO system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 174, 80-85	4.4	3
241	Molecular structure and vibrational spectra of quercetin and quercetin-5-sulfonic acid. <i>Vibrational Spectroscopy</i> , <b>2017</b> , 88, 94-105	2.1	15
240	Electrical and Vibrational Studies of Na <sub>2</sub> K <sub>2</sub> Cu(MoO <sub>4</sub> ) <sub>3</sub> . <i>Advances in Materials Science and Engineering</i> , <b>2017</b> , 2017, 1-8	1.5	4
239	EPR of Structural Phase Transition in Manganese- and Copper-Doped Formate Framework of [NH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> NH <sub>3</sub> ][Zn(HCOO) <sub>3</sub> ] <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 19751-19758	3.8	15

238	Effect of titania doping and sintering temperature on titanium local environment and electrical conductivity of YSZ. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 689, 512-524	5.7	8
237	Temperature- and pressure-dependent studies of niccolite-type formate frameworks of [NH(CH)NH][M(HCOO)] (M = Zn, Co, Fe). <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 27613-27622	3.6	16
236	Effect of solvent, temperature and pressure on the stability of chiral and perovskite metal formate frameworks of [NHNH][M(HCOO)] (M = Mn, Fe, Zn). <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 31653-31663	3.6	16
235	Pressure-induced structural transformations in $\text{In}_{2-x}\text{Y}_x(\text{MoO}_4)_3$ systems. <i>Journal of Raman Spectroscopy</i> , <b>2016</b> , 47, 350-356	2.3	2
234	Complex ferroelastic domain patterns of $\text{K}_{1-x}\text{Rb}_x\text{Sc}(\text{MoO}_4)_2$ crystals. <i>Ferroelectrics</i> , <b>2016</b> , 497, 34-41	0.6	4
233	Structural phase transition in perovskite metal-formate frameworks: a Potts-type model with dipolar interactions. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 18528-35	3.6	36
232	Temperature-dependent IR and Raman studies of metal-organic frameworks [(CH <sub>3</sub> ) <sub>2</sub> NH][M(HCOO)] (M=Mg and Cd). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 159, 35-41	4.4	28
231	Experimental and theoretical studies of structural phase transition in a novel polar perovskite-like [C <sub>2</sub> H <sub>5</sub> NH <sub>3</sub> ][Na <sub>0.5</sub> Fe <sub>0.5</sub> (HCOO) <sub>3</sub> ] formate. <i>Dalton Transactions</i> , <b>2016</b> , 45, 2574-83	4.3	85
230	Raman scattering studies of pressure-induced phase transitions in perovskite formates [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ][Mg(HCOO) <sub>3</sub> ] and [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ][Cd(HCOO) <sub>3</sub> ]. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 156, 112-7	4.4	32
229	Temperature- and pressure-induced phase transitions in the niccolite-type formate framework of [H <sub>3</sub> N(CH <sub>3</sub> ) <sub>4</sub> NH <sub>3</sub> ][Mn <sub>2</sub> (HCOO) <sub>6</sub> ]. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3185-3194	7.1	32
228	Dielectric relaxation behavior in antiferroelectric metal organic framework [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ][Fe(III)Fe(II)(HCOO) <sub>6</sub> ] single crystals. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 8462-7	3.6	34
227	Structural, magnetic and phonon properties of Cr(III)-doped perovskite metal formate framework [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ][Mn(HCOO) <sub>3</sub> ]. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 237, 150-158	3.3	24
226	Synthesis, structure and optical properties of two novel luminescent polar dysprosium metal-organic frameworks: [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ][Dy(HCOO) <sub>4</sub> ] and [N <sub>2</sub> H <sub>5</sub> ][Dy(HCOO) <sub>4</sub> ]. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1019-1028	7.1	15
225	Structural, magnetic and dielectric properties of two novel mixed-valence iron(II)-iron(III) metal formate frameworks. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1186-1193	7.1	47
224	Luminescence, magnetic and vibrational properties of novel heterometallic niccolites [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ][Cr <sup>III</sup> M <sup>II</sup> (HCOO) <sub>6</sub> ] (M <sup>II</sup> =Zn, Ni, Cu) and [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ][Al <sup>III</sup> Zn <sup>II</sup> (HCOO) <sub>6</sub> ]:Cr <sup>3+</sup> . <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 233, 455-462	3.3	19
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222	Structural, thermal, dielectric and phonon properties of perovskite-like imidazolium magnesium formate. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 13993-4000	3.6	38
221	Phase transitions and chromium(III) luminescence in perovskite-type [CHNH][NaCrAl(HCOO)] (x = 0, 0.025, 0.5), correlated with structural, dielectric and phonon properties. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 29629-29640	3.6	30

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218	Pressure-induced phase transitions in acentric $BaHf(BO_3)_2$ . <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 228, 239-244	3-3	1
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215	High-resolution Brillouin scattering studies of phase transitions in $Ca_2MgSi_2O_7$ and $Ca_2ZnSi_2O_7$ silicates. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 638, 34-37	5-7	4
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211	Effect of aliovalent doping on the properties of perovskite-like multiferroic formates. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9337-9345	7-1	62
210	Brillouin scattering, DSC, dielectric and X-ray diffraction studies of phase transitions in antiferroelectric $PbHfO_3:Sn$ . <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 935-941	5-7	16
209	Synthesis, crystal structure, magnetic and vibrational properties of formamidine-templated Co and Fe Formates. <i>Polyhedron</i> , <b>2015</b> , 85, 137-143	2-7	36
208	Unusual electronic behavior in the polycrystalline metal organic framework $[(CH_3)_2NH_2][Na_{0.5}Fe_{0.5}(HCOO)_3]$ . <i>Electronic Materials Letters</i> , <b>2015</b> , 11, 1033-1039	2-9	17
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206	Temperature-dependent Raman scattering study of tin modified $PbZrO_3$ and $PbHfO_3$ single crystals. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 644, 854-861	5-7	10
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8	Polarized IR and Raman spectra of tetragonal $NaBi(WO_4)_2$ , $NaBi(MoO_4)_2$ and $LiBi(MoO_4)_2$ single crystals with scheelite structure. <i>Journal of Molecular Structure</i> , <b>1995</b> , 348, 349-352	3.4	47
7	Structure and IR and Raman polarized spectra of $BaLaGa_3O_7$ single crystals. <i>Journal of Raman Spectroscopy</i> , <b>1995</b> , 26, 255-263	2.3	7
6	Vibrational Properties of Double Tungstates of the $MIMIII(WO_4)_2$ Family ( $MI = Li, Na, K; MIII = Bi, Cr$ ). <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 117, 177-188	3.3	52
5	Vibrational characteristics of the single-bridge $MoOMo$ and double-bridge $MoO_2Mo$ intermolecular interactions-polarized infrared and Raman spectra of monoclinic $KBi(MoO_4)_2$ single crystal. <i>Vibrational Spectroscopy</i> , <b>1995</b> , 8, 417-423	2.1	8

4	Vibrational properties of the double molybdates $\text{MX}(\text{MoO}_4)_2$ family ( $\text{M} = \text{Li, Na, K, Cs}$ ; $\text{X} = \text{Bi, Cr}$ ). <i>Vibrational Spectroscopy</i> , <b>1994</b> , 7, 85-96	2.1	31
3	Vibrational dynamics of the WOW and WOOW bridge bonds: polarized infrared and Raman spectra of monoclinic $\text{KBi}(\text{WO}_4)_2$ single crystal. <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, 10263-10271	1.8	12
2	The Structure and Spectroscopic Properties of $\text{Al}_{2-x}\text{Cr}_x(\text{WO}_4)_3$ Crystals in Orthorhombic and Monoclinic Phases. <i>Journal of Solid State Chemistry</i> , <b>1993</b> , 105, 49-69	3.3	42
1	Evidence of Pressure-Induced Phase Transitions and Negative Linear Compressibility in Formamidinium Manganese-Hypophosphite Hybrid Perovskite. <i>Journal of Physical Chemistry C</i> ,	3.8	2