

Sebastian Pawlus

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2016706/sebastian-pawlus-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

145
papers

3,500
citations

31
h-index

52
g-index

149
ext. papers

3,789
ext. citations

4
avg, IF

5.16
L-index

#	Paper	IF	Citations
145	Role of Chemical Structure in Fragility of Polymers: A Qualitative Picture. <i>Macromolecules</i> , 2008 , 41, 7232-7238	3.7	249
144	Electric modulus approach to the analysis of electric relaxation in highly conducting (Na _{0.75} Bi _{0.25})(Mn _{0.25} Nb _{0.75})O ₃ ceramics. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 1450-1460	3	184
143	Does the arrhenius temperature dependence of the Johari-Goldstein relaxation persist above T(g)? <i>Physical Review Letters</i> , 2003 , 91, 115701	7.4	157
142	Influence of hydration on protein dynamics: combining dielectric and neutron scattering spectroscopy data. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 14273-80	3.4	154
141	The origin of the dynamic transition in proteins. <i>Journal of Chemical Physics</i> , 2008 , 128, 195106	3.9	146
140	Correlation between primary and secondary Johari-Goldstein relaxations in supercooled liquids: invariance to changes in thermodynamic conditions. <i>Journal of Chemical Physics</i> , 2008 , 128, 044512	3.9	104
139	Dielectric relaxation and crystallization kinetics of ibuprofen at ambient and elevated pressure. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 6579-93	3.4	94
138	Conductivity in hydrated proteins: no signs of the fragile-to-strong crossover. <i>Physical Review Letters</i> , 2008 , 100, 108103	7.4	78
137	Temperature and volume effects on the change of dynamics in propylene carbonate. <i>Physical Review E</i> , 2004 , 70, 061501	2.4	74
136	Pressure and Temperature Dependence of the β Relaxation in Poly(methyltolylsiloxane). <i>Macromolecules</i> , 2002 , 35, 7338-7342	5.5	65
135	Confinement for More Space: A Larger Free Volume and Enhanced Glassy Dynamics of 2-Ethyl-1-hexanol in Nanopores. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3708-12	6.4	62
134	Changes in dynamic crossover with temperature and pressure in glass-forming diethyl phthalate. <i>Physical Review E</i> , 2003 , 68, 021503	2.4	62
133	Temperature and pressure dependence of the β relaxation in polymethylphenylsiloxane. <i>Journal of Chemical Physics</i> , 2002 , 116, 10932-10937	3.9	62
132	Dielectric studies on mobility of the glycosidic linkage in seven disaccharides. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12816-23	3.4	61
131	Dielectric Spectroscopy Investigation of Relaxation in C ₆₀ Polyisoprene Nanocomposites. <i>Macromolecules</i> , 2009 , 42, 3201-3206	5.5	55
130	Changes of relaxation dynamics of a hydrogen-bonded glass former after removal of the hydrogen bonds. <i>Journal of Chemical Physics</i> , 2006 , 125, 144507	3.9	50
129	Segmental- and normal-mode dielectric relaxation of poly(propylene glycol) under pressure. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 3047-3052	2.6	46

128	Structural and Secondary Relaxations in Supercooled Di-n-butyl Phthalate and Diisobutyl Phthalate at Elevated Pressure. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4997-5003	3.4	45
127	Decoupling between the Interfacial and Core Molecular Dynamics of Salol in 2D Confinement. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 14366-14374	3.8	43
126	Two secondary modes in decahydroisoquinoline: which one is the true Johari Goldstein process?. <i>Journal of Chemical Physics</i> , 2005 , 122, 234506	3.9	43
125	Sub-Rouse Modes in Polymers Observed by Dielectric Spectroscopy. <i>Macromolecules</i> , 2010 , 43, 3103-3106	3.5	42
124	Effect of large hydrostatic pressure on the dielectric loss spectrum of type- a glass formers. <i>Physical Review E</i> , 2004 , 69, 050501	2.4	40
123	Molecular Dynamics Changes Induced by Hydrostatic Pressure in a Supercooled Primary Alcohol. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3249-3253	6.4	38
122	Dynamics crossover and dynamic scaling description in vitrification of orientationally disordered crystal. <i>Physical Review B</i> , 2006 , 73,	3.3	37
121	Test of the Einstein-Debye relation in supercooled dibutylphthalate at pressures up to 1.4 GPa. <i>Physical Review Letters</i> , 2003 , 90, 175702	7.4	37
120	Pressure effects on the alpha and alpha' relaxations in polymethylphenylsiloxane. <i>Journal of Chemical Physics</i> , 2006 , 124, 104901	3.9	35
119	Dielectric relaxation behavior in antiferroelectric metal organic framework [(CH ₃) ₂ NH ₂][Fe(III)Fe(II)(HCOO) ₆] single crystals. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8462-7	3.6	34
118	Oscillatory shear and high-pressure dielectric study of 5-methyl-3-heptanol. <i>Colloid and Polymer Science</i> , 2014 , 292, 1913-1921	2.4	34
117	Nematic order parameter as determined from dielectric relaxation data and other methods. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 924-928	3.6	33
116	Mode coupling behavior in glass-forming liquid crystalline isopentylcyanobiphenyl. <i>Physical Review E</i> , 2005 , 71, 011508	2.4	33
115	The peculiar behavior of the molecular dynamics of a glass-forming liquid confined in native porous materials - the role of negative pressure. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23709-14	3.6	31
114	Effect of compression on the relationship between viscosity and dielectric relaxation time in hydrogen-bonded primary alcohols. <i>Physical Review Letters</i> , 2013 , 110, 173004	7.4	30
113	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> , 2016 , 18, 29629-29640	3.6	30
112	On the pressure dependence of the fragility of glycerol. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 332101	1.8	29
111	On the origin of ferroelectric structural phases in perovskite-like metalorganic formate. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9420-9429	7.1	28

110	Evidence for critical-like behavior in ultraslowing glass-forming systems. <i>Physical Review E</i> , 2010 , 82, 031501	2.4	28
109	High pressure study on molecular mobility of leucrose. <i>Journal of Chemical Physics</i> , 2008 , 129, 084501	3.9	26
108	Effect of glass structure on the dynamics of the secondary relaxation in diisobutyl and diisooctyl phthalates. <i>Physical Review B</i> , 2005 , 72,	3.3	26
107	How do high pressures change the Debye process of 4-methyl-3-heptanol?. <i>Journal of Chemical Physics</i> , 2013 , 139, 064501	3.9	25
106	General rules prospected for the liquid fragility in various material groups and different thermodynamic conditions. <i>Journal of Chemical Physics</i> , 2014 , 141, 134507	3.9	25
105	Influence of molecular weight on dynamic crossover temperature in linear polymers. <i>Polymer</i> , 2008 , 49, 2918-2923	3.9	25
104	Dielectric relaxation in compressed glassy and orientationally disordered mixed crystals. <i>Physical Review B</i> , 2006 , 74,	3.3	25
103	Dielectric relaxation processes in water mixtures of tripropylene glycol. <i>Journal of Chemical Physics</i> , 2005 , 123, 204506	3.9	25
102	High pressure study of molecular dynamics of protic ionic liquid lidocaine hydrochloride. <i>Journal of Chemical Physics</i> , 2012 , 136, 224501	3.9	24
101	How Different Molecular Architectures Influence the Dynamics of H-Bonded Structures in Glass-Forming Monohydroxy Alcohols. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5744-52	3.4	23
100	Dielectric and magnetic permittivities of three new ceramic tungstates MPr ₂ W ₂ O ₁₀ (M = Cd, Co, Mn). <i>Philosophical Magazine</i> , 2012 , 92, 4167-4181	1.6	22
99	Dielectric and magnetic properties of CdMoO ₄ :Gd ³⁺ single crystal. <i>Journal of Alloys and Compounds</i> , 2014 , 593, 230-234	5.7	21
98	Synthesis and temperature-dependent studies of a perovskite-like manganese formate framework templated with protonated acetamidine. <i>Dalton Transactions</i> , 2017 , 46, 8476-8485	4.3	20
97	Glassy dynamics and physical aging in fucose saccharides as studied by infrared- and broadband dielectric spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20641-50	3.6	20
96	Communication: Thermodynamic scaling of the Debye process in primary alcohols. <i>Journal of Chemical Physics</i> , 2011 , 134, 041103	3.9	20
95	Positronium annihilation lifetimes and dielectric spectroscopy studies on diethyl phthalate: phenomenological correlations and microscopic analyses in terms of the extended free volume model by Cohen-Grest. <i>Journal of Chemical Physics</i> , 2006 , 124, 104505	3.9	20
94	Properties of (Bi _{1/9} Na _{2/3})(Mn _{1/3} Nb _{2/3})O ₃ analysed within dielectric permittivity, conductivity, electric modulus and derivative techniques approach. <i>Phase Transitions</i> , 2006 , 79, 447-460	1.3	20
93	Complex dielectric relaxation in supercooling and superpressing liquid-crystalline chiral isopentylcyanobiphenyl. <i>Physical Review E</i> , 2003 , 68, 031705	2.4	20

92	Electrical and magnetic properties of CdRE ₂ W ₂ O ₁₀ tungstates (RE=Y, Nd, Sm, GdEr). <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 86-93	3.9	19
91	Dynamic Crossover of Water Relaxation in Aqueous Mixtures: Effect of Pressure. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1170-1175	6.4	19
90	Molecular dynamics changes induced by solvent in 2-ethyl-1-hexanol. <i>Physical Review E</i> , 2011 , 84, 031503	3.4	19
89	Complex dynamics of supercooling n-butylcyanobiphenyl (4CB). <i>Physical Review E</i> , 2005 , 72, 031501	2.4	19
88	Kinetics and Dynamics of the Curing System. High Pressure Studies. <i>Macromolecules</i> , 2014 , 47, 4288-4297	3.5	18
87	Temperature behavior of secondary relaxation dynamics in tripropylene glycol. <i>Physical Review B</i> , 2005 , 71,	3.3	18
86	Hydrogen bonding and secondary relaxations in propylene glycol trimer. <i>Physical Review B</i> , 2005 , 72,	3.3	18
85	Mechanical, Thermal, and Electrical Energy Storage in a Single Working Body: Electrification and Thermal Effects upon Pressure-Induced Water Intrusion-Extrusion in Nanoporous Solids. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7044-7049	9.5	17
84	Dielectric properties of two diastereoisomers of the arabinose and their equimolar mixture. <i>Carbohydrate Research</i> , 2009 , 344, 2547-53	2.9	17
83	Effect of high hydrostatic pressure on the dielectric relaxation in a non-crystallizable monohydroxy alcohol in its supercooled liquid and glassy states. <i>Journal of Chemical Physics</i> , 2011 , 135, 084507	3.9	17
82	Effect of Temperature and Pressure on Segmental Relaxation in Polymethylphenylsiloxane. <i>Rubber Chemistry and Technology</i> , 2003 , 76, 1106-1115	1.7	17
81	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> , 2016 , 18, 27613-27622	3.6	16
80	The importance of the activation volume for the description of the molecular dynamics of glass-forming liquids. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 065105	1.8	16
79	Influence of pressure on quasielastic scattering in glasses: relationship to the boson peak. <i>Physical Review Letters</i> , 2009 , 102, 145502	7.4	16
78	Electrical properties of Pb(Mn _{1/3} Nb _{2/3})O ₃ ceramics under hydrostatic pressure: Relaxation dynamics and its relation to the subsystem of defects. <i>Physical Review B</i> , 2008 , 78,	3.3	16
77	Effect of Flexibility and Nanotriboelectrification on the Dynamic Reversibility of Water Intrusion into Nanopores: Pressure-Transmitting Fluid with Frequency-Dependent Dissipation Capability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40842-40849	9.5	15
76	Pretransitional behavior of dielectric permittivity on approaching a clearing point in a mixture of nematogens with antagonistic configurations of dipoles. <i>Physical Review E</i> , 2001 , 64, 051701	2.4	15
75	Dielectric relaxation and anhydrous proton conduction in [CHNH][NaFe(HCOO)] metal-organic frameworks. <i>Dalton Transactions</i> , 2017 , 46, 3681-3687	4.3	14

74	Fractional Debye-Stokes-Einstein behaviour in an ultraviscous nanocolloid: glycerol and silver nanoparticles. <i>Soft Matter</i> , 2015 , 11, 5554-62	3.6	14
73	Verifying the Approximate Covariance of the β and Johari-Goldstein β Relaxation Times to Variations of Pressure and Temperature in Polyisoprene. <i>Macromolecules</i> , 2018 , 51, 4435-4443	5.5	14
72	Impact of high pressure on the progress of polymerization of DGEBA cured with different amine hardeners: dielectric and DSC studies. <i>RSC Advances</i> , 2015 , 5, 105934-105942	3.7	14
71	Effect of thermodynamic history on secondary relaxation in glassy phenolphthalein-dimethyl-ether. <i>Physical Review B</i> , 2006 , 73,	3.3	14
70	Interplay between structural static and dynamical parameters as a key factor to understand peculiar behaviour of associated liquids. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114084	6	13
69	Comment on "Slow Debye-type peak observed in the dielectric response of polyalcohols" [J. Chem. Phys. 132, 044504 (2010)]. <i>Journal of Chemical Physics</i> , 2011 , 134, 037101; author reply 037102	3.9	12
68	Pressure dependence of the dielectric loss minimum slope for ten molecular liquids. <i>Philosophical Magazine</i> , 2008 , 88, 4101-4108	1.6	12
67	Emergence of a new feature in the high pressure-high temperature relaxation spectrum of tri-propylene glycol. <i>Journal of Chemical Physics</i> , 2005 , 122, 061102	3.9	12
66	Adam-Gibbs model in the density scaling regime and its implications for the configurational entropy scaling. <i>Scientific Reports</i> , 2015 , 5, 13998	4.9	11
65	High pressure polymerization of glycidol. Kinetics studies. <i>Polymer</i> , 2014 , 55, 1984-1990	3.9	10
64	Dielectric permittivity of some novel copper/cobalt and rare-earth metal tungstates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014 , 184, 14-17	3.1	10
63	Role of entropy in the thermodynamic evolution of the time scale of molecular dynamics near the glass transition. <i>Physical Review E</i> , 2015 , 91, 062305	2.4	10
62	Dielectric and mechanical relaxation in isooctylcyanobiphenyl (8*OCB). <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 235101	1.8	10
61	Influence of Pressure on Chain and Segmental Dynamics in Polyisoprene. <i>Macromolecules</i> , 2010 , 43, 5845-5850	3.5	10
60	Dielectric studies of the mobility in pentitols. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1062-6	3.4	10
59	Secondary dielectric relaxation in decahydroisoquinoline-cyclohexane mixture. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4685-4689	3.9	10
58	Relaxor state and electric relaxations induced by the addition of Bi and Mn ions to Pb(Zr _{0.70} Ti _{0.30})O ₃ ceramics. <i>Ceramics International</i> , 2017 , 43, 11699-11709	5.1	9
57	Fragility versus activation volume: insight into molecular dynamics of glass-forming hydrogen-bonded liquids. <i>Physical Review E</i> , 2011 , 84, 052501	2.4	9

56	Role of hydrogen bonds and molecular structure in relaxation dynamics of pentiol isomers. <i>Physical Review E</i> , 2012 , 85, 052501	2.4	9
55	Anomalous narrowing of the structural relaxation dispersion of tris(dimethylsiloxy)phenylsilane at elevated pressures. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7678-81	3.4	9
54	DTA and Dielectric Studies of a Substance with the Nematic, Smectic A, and Smectic C Polymorphism at Ambient and Elevated Pressures. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2003 , 58, 333-340	1.4	9
53	Dielectric Properties of 4-methoxy-4'-Cyanobiphenyl (1 OCB) in the Supercooled Isotropic and Nematic Phases. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2003 , 58, 357-362	1.4	9
52	Relationship between Nanoscale Supramolecular Structure, Effectiveness of Hydrogen Bonds, and Appearance of Debye Process. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2672-2679	3.8	9
51	Phenyl Ring: A Steric Hindrance or a Source of Different Hydrogen Bonding Patterns in Self-Organizing Systems?. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2142-2147	6.4	9
50	Does the Johari-Goldstein Relaxation Exist in Polypropylene Glycols?. <i>Macromolecules</i> , 2015 , 48, 4151-4157	5.7	8
49	Combustion synthesis, structural, magnetic and dielectric properties of Gd ³⁺ -doped lead molybdate-tungstates. <i>Journal of Advanced Ceramics</i> , 2020 , 9, 255-268	10.7	8
48	Glassy dynamics in the isotropic phase of a smectogenic liquid crystalline compound. <i>Physical Review E</i> , 2011 , 84, 031710	2.4	8
47	Impact of the Copper-Induced Local Framework Deformation on the Mechanism of Structural Phase Transition in [(CH ₃) ₂ NH ₂][Zn(HCOO) ₃] Hybrid Metal-Organic Framework Perovskite. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 23594-23603	3.8	7
46	Glassy dynamics predicted by mutual role of free and activation volumes. <i>Soft Matter</i> , 2019 , 15, 4656-4666	6.6	7
45	Essential meaning of high pressure measurements in discerning the properties of monohydroxy alcohols with a single phenyl group. <i>Journal of Molecular Liquids</i> , 2020 , 305, 112863	6	7
44	Breakdown of the Simple Arrhenius Law in the Normal Liquid State. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1783-1787	6.4	7
43	Impedance, dielectric, and magnetic properties study of La ₂ CrMnO ₆ ceramics. <i>Ceramics International</i> , 2020 , 46, 6368-6376	5.1	7
42	How to align a nematic glassy phase under different conditions under different results. <i>Journal of Molecular Liquids</i> , 2019 , 280, 314-318	6	6
41	Explanation of the difference in temperature and pressure dependences of the Debye relaxation and the structural relaxation near T _g of monohydroxy alcohols. <i>Chemical Physics</i> , 2020 , 530, 110617	2.3	6
40	Revisiting a Perovskite-like Copper-Formate Framework NH ₄ [Cu(HCOO) ₃]: Order-Disorder 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> , 2020 , 124, 18714-18723	3.8	6
39	Electrical features of ferroelectric (Ba _{0.83} Ca _{0.17})TiO ₃ ceramics with diffused phase transition under pressure. <i>Journal of Alloys and Compounds</i> , 2021 , 856, 158216	5.7	6

38	Electric relaxation of superparamagnetic Gd-doped lead molybdate-tungstates. <i>Ceramics International</i> , 2019 , 45, 4437-4447	5.1	5
37	APEX Strategy Represented by Diels-Alder Cycloadditions-New Opportunities for the Syntheses of Functionalised PAHs. <i>Chemistry - A European Journal</i> , 2020 , 26, 12150-12157	4.8	5
36	Relaxing under pressure with a rigid niccolite formate framework. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16736-16741	7.1	5
35	Hydrostatic pressure influence on electric relaxation response of bismuth manganite ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3732-3738	3.8	4
34	Anomalous behavior of the structural relaxation dispersion function of a carborane-containing siloxane. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 415101	1.8	4
33	Electrical and Magnetic Properties of CuEu ₂ W ₂ O ₁₀ and Cu ₃ Eu ₂ W ₄ O ₁₈ . <i>Solid State Phenomena</i> , 2012 , 194, 104-107	0.4	4
32	Microscopic origin of secondary modes observed in decahydroisoquinoline. <i>Journal of Molecular Structure</i> , 2010 , 975, 200-204	3.4	4
31	New Strategy for the Synthesis of 3,4,5-trisubstituted Isoxazolines from Allyl Compounds. <i>Current Organic Chemistry</i> , 2014 , 18, 2280-2296	1.7	4
30	Toward the Undiscovered Dielectric Properties of Hybrid Acetamidinium Manganese Formate under High Pressure. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 908-914	3.8	4
29	Inflection point in the Debye relaxation time of 2-butyl-1-octanol. <i>Journal of Chemical Physics</i> , 2018 , 149, 214502	3.9	4
28	Density Scaling Based Detection of Thermodynamic Regions of Complex Intermolecular Interactions Characterizing Supramolecular Structures. <i>Scientific Reports</i> , 2020 , 10, 9316	4.9	3
27	Note: New feedthrough insulation method for the dielectric spectroscopy under ultrahigh pressure conditions. <i>Review of Scientific Instruments</i> , 2010 , 81, 066101	1.7	3
26	Preliminary Studies on the Dielectric Permittivity in the Isotropic and Mesophase of Cholesteryl Oleyl Carbonate. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2002 , 57, 126-128 ^{1.4}	1.4	3
25	Electric Relaxation in Nb ₆ V ₅ Sb ₃ O ₂₅ -Ceramics. <i>Acta Physica Polonica A</i> , 2016 , 129, 355-358	0.6	3
24	Stable and reversible pressure-controlled dielectric switching in dicyanide hybrid perovskite. <i>Applied Materials Today</i> , 2021 , 22, 100957	6.6	3
23	Influence of molecular geometry on the formation, architecture and dynamics of H-bonded supramolecular associates in 1-phenyl alcohols. <i>Journal of Molecular Liquids</i> , 2021 , 326, 115349	6	3
22	Influence of hydrostatic pressure on electrical relaxation in non-homogeneous bismuth manganite - Lead titanate ceramics. <i>Journal of Alloys and Compounds</i> , 2021 , 854, 157219	5.7	3
21	Insight into understanding structural relaxation dynamics of [NH ₂ NH ₃][Mn(HCOO) ₃] metal-organic formate. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018 , 236-237, 24-31	3.1	3

20	The impact of the length of alkyl chain on the behavior of benzyl alcohol homologues - the interplay between dispersive and hydrogen bond interactions. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 23796-23807	3.6	3
19	Electrical properties of epoxy-glue/(Bi ₁₂ MnO ₂₀ BiMn ₂ O ₅) composite. <i>Journal of Composite Materials</i> , 2018 , 52, 1305-1315	2.7	2
18	Electrical and magnetic properties of ZnCr ₂ S ₄ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2021 , 861, 157973	5.7	2
17	Is a Dissociation Process Underlying the Molecular Origin of the Debye Process in Monohydroxy Alcohols?. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 2960-2967	3.4	2
16	Systematic studies on the dynamics, intermolecular interactions and local structure in the alkyl and phenyl substituted butanol isomers. <i>Journal of Molecular Liquids</i> , 2021 , 346, 117098	6	2
15	Molecular stiffness and aromatic ring position [Crucial structural factors in the self-assembly processes of phenyl alcohols. <i>Journal of Molecular Liquids</i> , 2021 , 335, 116426	6	2
14	Influence of interfacial stresses on electrical properties of bismuth manganite [lead titanate [epoxy composite. <i>Ceramics International</i> , 2021 , 47, 34619-34619	5.1	2
13	Semiconducting Properties of Cu ₅ SbO ₆ . <i>Acta Physica Polonica A</i> , 2012 , 122, 1105-1107	0.6	1
12	Glass-forming Schiff bases: Peculiar self-organizing systems with bifurcated hydrogen bonds. <i>Journal of Molecular Liquids</i> , 2021 , 118052	6	1
11	Transformation of the Strongly Hydrogen Bonded System into van der Waals one Reflected in Molecular Dynamics. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2010 , 359-376	0.1	1
10	Conformational analysis and molecular dynamics of glass-forming aromatic thiacyclopentane ethers. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 17948-17959	3.6	1
9	Effect of Gd Substitution on Thermoelectric Power Factor of Paramagnetic Co-Doped Calcium Molybdate-Tungstates. <i>Materials</i> , 2021 , 14,	3.5	1
8	Role of intermolecular interactions and conformational changes in the polymorphism and vitrification process of 2,2'-bis-substituted para-terphenyls. <i>CrystEngComm</i> , 2020 , 22, 3164-3178	3.3	1
7	Dipole relaxation process and giant dielectric permittivity in Eu ³⁺ -doped CdMoO ₄ single crystal. <i>Journal of Materiomics</i> , 2021 , 7, 845-857	6.7	1
6	Confined liquid crystalline 5CB in 2D Thermodynamic Space [Preliminary Dielectric Relaxation Study. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2007 , 229-238		1
5	Aromaticity effect on supramolecular aggregation. Aromatic vs. cyclic monohydroxy alcohols.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 276, 121235	4.4	1
4	Influence of Molecular Structure on Dynamics of Secondary Relaxation in Phthalates 2004 , 307-317		
3	Influence of Differences in Molecular structure on Behavior of and [Relaxation Processes in Diisooctyl Maleate. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2007 , 149-159		

- 2 Effect of Tantalum Substitution on Dielectric Constant of ZnSb_{2-x}Ta_xO₆ Solid Solution (x=0.0,0.1,0.25,0.75,1.6). *Acta Physica Polonica A*, **2019**, 136, 633-636 0.6
- 1 From ambient- to high-pressure dielectric response of perovskite formamidinium manganese formate. *Journal of Materials Chemistry C*, **2021**, 9, 5740-5748 7.1