

# Anton S Mazur

## List of Publications by Year in descending order

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66  
papers

1,029  
citations

394421

19  
h-index

477307

29  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Old Concrete from a Heritage Structure of Inousses Cluster of Islands. Lecture Notes in Civil Engineering, 2022, , 80-89.	0.4	1
2	<sup>13</sup> C, <sup>27</sup> Al and <sup>29</sup> Si NMR Investigation of the Hydration Kinetics of Portland-Limestone Cement Pastes Containing CH <sub>3</sub> -COO <sup>-</sup> -R <sup>+</sup> (R=H or Na) Additives. Materials, 2022, 15, 2004.	2.9	3
3	Trace elements adsorption by natural and chemically modified humic acids. Environmental Geochemistry and Health, 2021, 43, 127-138.	3.4	5
4	Study of the formation of lignin hydrogels with metal cations. Journal of Wood Chemistry and Technology, 2021, 41, 73-82.	1.7	7
5	Novel Membranes Based on Hydroxyethyl Cellulose/Sodium Alginate for Pervaporation Dehydration of Isopropanol. Polymers, 2021, 13, 674.	4.5	15
6	Sustainable composite pervaporation membranes based on sodium alginate modified by metal organic frameworks for dehydration of isopropanol. Journal of Membrane Science, 2021, 626, 119194.	8.2	43
7	Fluorination of polystyrene by elemental fluorine in liquid media. Journal of Fluorine Chemistry, 2021, 246, 109777.	1.7	2
8	Targeting Brain Tumors with Mesenchymal Stem Cells in the Experimental Model of the Orthotopic Glioblastoma in Rats. Biomedicines, 2021, 9, 1592.	3.2	5
9	NMR Spectral Characteristics of Ultrahigh Pressure High Temperature Impact Glasses of the Giant Kara Crater (Pay-Khoy, Russia). Minerals (Basel, Switzerland), 2021, 11, 1418.	2.0	0
10	Solid-state <sup>13</sup> C NMR of carbon nanostructures (milled graphite, graphene, carbon) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 3 Nanostructures, 2020, 28, 202-213.	2.1	34
11	Synthesis and thermal stability of new inorganic-organic perovskite-like hybrids based on layered titanates HLnTiO <sub>4</sub> (Ln = La, Nd). Ceramics International, 2020, 46, 5058-5068.	4.8	21
12	Thermodynamic properties of the C <sub>70</sub> (OH) <sub>12</sub> fullerene in the temperature range T = 29.2 K to 304.5 K. Journal of Chemical Thermodynamics, 2020, 144, 106029.	2.0	6
13	Grafting reactions of perovskite-like bismuth titanate H <sub>2</sub> K <sub>0.5</sub> Bi <sub>2.5</sub> Ti <sub>4</sub> O <sub>13</sub> ·H <sub>2</sub> O with n-alcohols. Ceramics International, 2020, 46, 29373-29381.	4.8	2
14	New Cu( <sup>i</sup> / <sup>scp</sup> ) halide complexes showing TADF combined with room temperature phosphorescence: the balance tuned by halogens. Dalton Transactions, 2020, 49, 3155-3163.	3.3	47
15	Methotrexate-loaded metal-organic frameworks on the basis of β-cyclodextrin: Design, characterization, in vitro and in vivo investigation. Materials Science and Engineering C, 2020, 111, 110774.	7.3	27
16	Long-term thaumasite sulfate attack on Portland-limestone cement concrete: A multi-technique analytical approach for assessing phase assemblage. Cement and Concrete Research, 2020, 130, 105995.	11.0	39
17	Insights into crystal chemistry of the vesuvianite-group: manaevite-(Ce), a new mineral with complex mechanisms of its hydration. Physics and Chemistry of Minerals, 2020, 47, 1.	0.8	4
18	Unique rheological behavior of detonation nanodiamond hydrosols: The nature of sol-gel transition. Carbon, 2020, 161, 486-494.	10.3	22

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19	Novel Mixed Matrix Sodium Alginate- Fullerene Membranes: Development, Characterization, and Study in Pervaporation Dehydration of Isopropanol. <i>Polymers</i> , 2020, 12, 864.	4.5	29
20	Structure of Rubidium Borosilicate Glasses Studied by Nuclear Magnetic Resonance Spectroscopy. <i>Inorganic Materials</i> , 2019, 55, 500-505.	0.8	6
21	Ion-exchange Extraction of Palladium(II) from Chloride Solutions Using a Silica Gel-Immobilized Imidazolium Salt. <i>Solvent Extraction and Ion Exchange</i> , 2019, 37, 461-472.	2.0	7
22	Thermodynamic Properties from Calorimetry and Density Functional Theory and the Thermogravimetric Analysis of the Fullerene Derivative C <sub>60</sub> (OH) <sub>40</sub> . <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 1480-1487.	1.9	12
23	Granzyme B Functionalized Nanoparticles Targeting Membrane Hsp70-Positive Tumors for Multimodal Cancer Theranostics. <i>Small</i> , 2019, 15, 1900205.	10.0	40
24	Effect of Pluronic F127 on porous and dense membrane structure formation via non-solvent induced and evaporation induced phase separation. <i>Journal of Membrane Science</i> , 2019, 580, 336-349.	8.2	49
25	Physico-chemical properties of C70-l-threonine bisadduct (C70(C <sub>4</sub> H <sub>9</sub> NO <sub>2</sub> ) <sub>2</sub> ) aqueous solutions. <i>Journal of Molecular Liquids</i> , 2019, 279, 687-699.	4.9	14
26	Improved Biopharmaceutical Properties of Oral Formulations of 1,2,4-Thiadiazole Derivative with Cyclodextrins: in Vitro and in Vivo Evaluation. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 491-501.	5.2	12
27	Novel mixed-matrix membranes based on polyvinyl alcohol modified by carboxyfullerene for pervaporation dehydration. <i>Separation and Purification Technology</i> , 2018, 204, 1-12.	7.9	36
28	Solid-State <sup>13</sup> C CP/MAS NMR for Alkyl-O-Aryl Bond Determination in Lignin Preparations. <i>Journal of Wood Chemistry and Technology</i> , 2018, 38, 137-148.	1.7	17
29	<sup>13</sup> C NMR spectrum of crystalline [Rh(Acac) (CO) <sub>2</sub> ]: A contribution to the discussion on [Rh(Acac) (CO) <sub>2</sub> ] molecular structure in the solid state. <i>Journal of Organometallic Chemistry</i> , 2018, 874, 70-73.	1.8	0
30	Structural and magnetic properties of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> and EuAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> single crystals doped with Co <sup>2+</sup> . <i>Journal of Alloys and Compounds</i> , 2018, 765, 710-720.	5.5	5
31	Exploiting Coupling of Boronic Acids with Triols for a pH-Dependent "Click-Declick" Chemistry. <i>Journal of Organic Chemistry</i> , 2018, 83, 9756-9773.	3.2	19
32	Targeting experimental orthotopic glioblastoma with chitosan-based superparamagnetic iron oxide nanoparticles (CS-DX-SPIONs). <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 1471-1482.	6.7	65
33	Nuclear Magnetic Resonance Spectra of Polyhydroxylated Fullerene C <sub>60</sub> (OH) <sub>n</sub> . <i>Physics of the Solid State</i> , 2018, 60, 1468-1470.	0.6	1
34	A solid state NMR and in-situ infrared spectroscopy study on the setting reaction of magnesium sodium phosphate cement. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 49-59.	3.1	31
35	Role of structure imperfection in the formation of the magnetotransport properties of rare-earth manganites with a perovskite structure. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 124, 100-113.	0.9	33
36	Alumovesuvianite, Ca <sub>19</sub> Al(Al,Mg) <sub>12</sub> Si <sub>18</sub> O <sub>69</sub> (OH) <sub>9</sub> , a new vesuvianite-group member from the Jeffrey mine, asbestos, Estrie region, Québec, Canada. <i>Mineralogy and Petrology</i> , 2017, 111, 833-842.	1.1	9

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37	Synthesis, microstructure, the complex nature of the magnetic state of lanthanum manganite weakly doped by bismuth. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 315-319.	0.6	1
38	Solvent-free "green" amidation of stearic acid for synthesis of biologically active alkylamides over iron supported heterogeneous catalysts. <i>Applied Catalysis A: General</i> , 2017, 542, 350-358.	4.3	9
39	A study of the process of thermal oxidation of lead selenide by the NMR and XRD methods. <i>Glass Physics and Chemistry</i> , 2017, 43, 70-74.	0.7	6
40	Effect of cyclodextrin complexation on solubility of novel anti-Alzheimer 1,2,4-thiadiazole derivative. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 443-450.	3.6	17
41	Structure of cesium "borosilicate glasses according to NMR spectroscopy. <i>Glass Physics and Chemistry</i> , 2017, 43, 287-293.	0.7	4
42	X-ray diffraction and spectroscopic study of wiluite: implications for the vesuvianite-group nomenclature. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 577-593.	0.8	8
43	Experimental and theoretical distribution of electron density and thermopolymerization in crystals of $\text{Ph}_3\text{Sb}(\text{O}_2\text{CCH}=\text{CH}_2)_2$ complex. <i>Journal of Solid State Chemistry</i> , 2017, 254, 32-39.	2.9	11
44	Vesuvianite from the Somma-Vesuvius Complex: New Data and Revised Formula. <i>Minerals (Basel)</i> , 2017, 7, 10-19.	2.0	9
45	Magnesiovesuvianite, $\text{Ca}_{19}\text{Mg}(\text{Al},\text{Mg})_{12}\text{Si}_{18}\text{O}_{69}(\text{OH})_9$ , a new vesuvianite-group mineral. <i>Journal of Geosciences (Czech Republic)</i> , 2017, 41, 25-36.	0.6	10
46	Self-propagating high-temperature synthesis as a promising method for the utilization of technical lignins. <i>Russian Journal of General Chemistry</i> , 2016, 86, 3008-3011.	0.8	9
47	Si-deficient, OH-substituted, boron-bearing vesuvianite from Sakha-Yakutia, Russia: a combined single-crystal, $^1\text{H}$ MAS-NMR and IR spectroscopic study. <i>European Journal of Mineralogy</i> , 2016, 28, 931-941.	1.3	9
48	Structure defects, phase transitions, magnetic resonance and magneto-transport properties of $\text{La}_{0.6}\text{Eu}_x\text{Sr}_{0.3}\text{Mn}_{1-x}\text{O}_3$ ceramics. <i>Low Temperature Physics</i> , 2016, 42, 1102-1111.	0.6	7
49	The role of structural and magnetic inhomogeneities in the formation of magneto-transport properties of the $\text{La}_{0.6}\text{Sm}_x\text{Sr}_{0.3}\text{Mn}_{1-x}\text{O}_3$ ceramics. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 457-465.	2.3	15
50	Luminescent $\text{Cu}^{\text{I}}$ thiocyanate complexes based on tris(2-pyridyl)phosphine and its oxide: from mono-, di- and trinuclear species to coordination polymers. <i>New Journal of Chemistry</i> , 2016, 40, 10028-10040.	2.8	28
51	Coordination state of aluminum and boron in barium aluminoborate glass. <i>Glass Physics and Chemistry</i> , 2016, 42, 230-237.	0.7	14
52	Thermal decomposition of ammonia borane at 357 K. <i>Russian Journal of General Chemistry</i> , 2015, 85, 2505-2508.	0.8	4
53	Structure, phase transitions, $^{55}\text{Mn}$ NMR and magnetoresistive properties of $\text{Pr}_{0.6}\text{Nd}_x\text{Sr}_{0.3}\text{Mn}_{1-x}\text{O}_3$ ( $x = 0 \sim 0.6$ ). <i>Low Temperature Physics</i> , 2014, 40, 717-723.	0.6	2
54	Structural and magnetic inhomogeneities, phase transitions, $^{55}\text{Mn}$ NMR, and magnetoresistive properties of $\text{La}_{0.6}\text{Sr}_{0.2}\text{Mn}_{1.2-x}\text{Nb}_x\text{O}_3$ ceramics. <i>Physics of the Solid State</i> , 2013, 55, 1159-1169.	0.6	2

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55	Structural and magnetic inhomogeneity, phase transitions, magnetoresponse and magnetoresistive properties of $\text{La}_{0.6-x}\text{Pr}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_3$ ( $x = 0 \text{--} 0.6$ ). <i>Physics of the Solid State</i> , 2013, 55, 486-494.	0.6	3
56	Structural and magnetic heterogeneities, phase transitions, $^{55}\text{Mn}$ NMR, and magnetoresistive properties of $\text{La}_{0.6}\text{Sr}_{0.3-x}\text{Bi}_x\text{Mn}_{1.1}\text{O}_3$ . <i>Physics of the Solid State</i> , 2013, 55, 321-325.	0.6	6
57	Dynamic Characteristic of Molecular Structure of Poly(ortho-methoxyaniline) with Magnetic Probes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7830-7834.	3.1	6
58	Crystal structure and lattice defects of $\text{La}_x\text{MnO}_3 + \delta$ . <i>Inorganic Materials</i> , 2012, 48, 1039-1043.	0.8	1
59	$^{55}\text{Mn}$ NMR study of the effect of a constant magnetic field on the phase separation of the ferromagnetic phase in manganites. <i>Physics of the Solid State</i> , 2012, 54, 2222-2225.	0.6	3
60	Local structure and magnetic inhomogeneity of nano-sized $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ manganites. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	23
61	Features of magnetic properties of $\text{La}_x\text{MnO}_3 + \delta$ ( $0.815 \leq x \leq 1.0$ ). <i>Physics of the Solid State</i> , 2011, 53, 957-963.	0.6	5
62	Self-doped lanthanum manganites as a phase-separated system: Transformation of magnetic, resonance, and transport properties with doping and hydrostatic compression. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	90
63	Phase separation in nanosize samples of $(\text{LaSr})\text{MnO}_3$ . <i>Low Temperature Physics</i> , 2007, 33, 931-934.	0.6	24
64	Magnetic Structure and Microwave Properties of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Ultrafine Particles. , 2007, , .		0
65	Magnetic resonances spectroscopy of nanosize particles $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, e122-e125.	2.3	29
66	Inhomogeneity of the ferromagnetic state of $(\text{La}_{1-x}\text{Sr}_x)\text{MnO}_3$ perovskites according to $^{139}\text{La}$ and $^{55}\text{Mn}$ NMR data. <i>Journal of Experimental and Theoretical Physics</i> , 2003, 97, 573-586.	0.9	6