

# Ondrej Jankovsky

## List of Publications by Citations

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152  
papers

2,610  
citations

29  
h-index

44  
g-index

174  
ext. papers

3,201  
ext. citations

4.7  
avg, IF

5.42  
L-index

#	Paper	IF	Citations
152	Synthesis of strongly fluorescent graphene quantum dots by cage-opening buckminsterfullerene. <i>ACS Nano</i> , <b>2015</b> , 9, 2548-55	16.7	200
151	Tuning of fluorine content in graphene: towards large-scale production of stoichiometric fluorographene. <i>Nanoscale</i> , <b>2015</b> , 7, 13646-55	7.7	127
150	Towards graphene bromide: bromination of graphite oxide. <i>Nanoscale</i> , <b>2014</b> , 6, 6065-74	7.7	91
149	Phase equilibria in CaO-D system. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 194, 199-205	3.3	81
148	Synthesis procedure and type of graphite oxide strongly influence resulting graphene properties. <i>Applied Materials Today</i> , <b>2016</b> , 4, 45-53	6.6	70
147	Uranium- and thorium-doped graphene for efficient oxygen and hydrogen peroxide reduction. <i>ACS Nano</i> , <b>2014</b> , 8, 7106-14	16.7	64
146	Tuning of graphene oxide composition by multiple oxidations for carbon dioxide storage and capture of toxic metals. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2739-2748	13	62
145	Alternating Misfit Layered Transition/Alkaline Earth Metal Chalcogenide Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> as a New Class of Chalcogenide Materials for Hydrogen Evolution. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4130-4136	9.6	60
144	Water-soluble highly fluorinated graphite oxide. <i>RSC Advances</i> , <b>2014</b> , 4, 1378-1387	3.7	58
143	Structural, mechanical and hygrothermal properties of lightweight concrete based on the application of waste plastics. <i>Construction and Building Materials</i> , <b>2018</b> , 180, 1-11	6.7	56
142	Vacuum-assisted microwave reduction/exfoliation of graphite oxide and the influence of precursor graphite oxide. <i>Carbon</i> , <b>2014</b> , 77, 508-517	10.4	52
141	Origin of exotic ferromagnetic behavior in exfoliated layered transition metal dichalcogenides MoS <sub>2</sub> and WS <sub>2</sub> . <i>Nanoscale</i> , <b>2016</b> , 8, 1960-7	7.7	48
140	Towards graphene iodide: iodination of graphite oxide. <i>Nanoscale</i> , <b>2015</b> , 7, 261-70	7.7	45
139	Highly hydrogenated graphene via active hydrogen reduction of graphene oxide in the aqueous phase at room temperature. <i>Nanoscale</i> , <b>2014</b> , 6, 2153-60	7.7	45
138	Towards highly electrically conductive and thermally insulating graphene nanocomposites: Al <sub>2</sub> O <sub>3</sub> /graphene. <i>RSC Advances</i> , <b>2014</b> , 4, 7418-7424	3.7	44
137	Graphene Oxide Sorption Capacity toward Elements over the Whole Periodic Table: A Comparative Study. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 24203-24212	3.8	44
136	Insight into the mechanism of the thermal reduction of graphite oxide: deuterium-labeled graphite oxide is the key. <i>ACS Nano</i> , <b>2015</b> , 9, 5478-85	16.7	39

135	Oxygen-Free Highly Conductive Graphene Papers. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4878-4885	15.6	39
134	Toward graphene chloride: chlorination of graphene and graphene oxide. <i>RSC Advances</i> , <b>2016</b> , 6, 66884-66892	6.7	39
133	CoO and Co <sub>3</sub> O <sub>4</sub> nanoparticles with a tunable particle size. <i>Ceramics International</i> , <b>2014</b> , 40, 12591-12595	5.1	37
132	Eco-friendly concrete with scrap-tyre-rubber-based aggregate [Properties and thermal stability. <i>Construction and Building Materials</i> , <b>2019</b> , 225, 709-722	6.7	35
131	Valorization of wood chips ash as an eco-friendly mineral admixture in mortar mix design. <i>Waste Management</i> , <b>2018</b> , 80, 89-100	8.6	35
130	Synthesis of MnO, Mn <sub>2</sub> O <sub>3</sub> and Mn <sub>3</sub> O <sub>4</sub> nanocrystal clusters by thermal decomposition of manganese glycerolate. <i>Ceramics International</i> , <b>2015</b> , 41, 595-601	5.1	34
129	A New Member of the Graphene Family: Graphene Acid. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17416-17424	4.4	34
128	Physical and chemical characterization of technogenic pozzolans for the application in blended cements. <i>Construction and Building Materials</i> , <b>2018</b> , 160, 106-116	6.7	34
127	Highly selective removal of Ga <sup>3+</sup> ions from Al <sup>3+</sup> /Ga <sup>3+</sup> mixtures using graphite oxide. <i>Carbon</i> , <b>2015</b> , 89, 121-129	10.4	32
126	Carbon fragments are ripped off from graphite oxide sheets during their thermal reduction. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 5700-5705	3.6	32
125	Neutron diffraction as a precise and reliable method for obtaining structural properties of bulk quantities of graphene. <i>Nanoscale</i> , <b>2014</b> , 6, 13082-9	7.7	32
124	Complex Characterization and Behavior of Waste Fired Brick Powder-Portland Cement System. <i>Materials</i> , <b>2019</b> , 12,	3.5	29
123	Biomass ash-based mineral admixture prepared from municipal sewage sludge and its application in cement composites. <i>Clean Technologies and Environmental Policy</i> , <b>2018</b> , 20, 159-171	4.3	29
122	Phase diagram of the SrTiO <sub>3</sub> system. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 935-940	6	22
121	Synthesis of Graphene Oxide by Oxidation of Graphite with Ferrate(VI) Compounds: Myth or Reality?. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11965-9	16.4	22
120	Nanosized graphane (C <sub>1</sub> H <sub>1.14</sub> ) <sub>n</sub> by hydrogenation of carbon nanofibers by Birch reduction method. <i>RSC Advances</i> , <b>2016</b> , 6, 6475-6485	3.7	22
119	Phase diagram of the pseudobinary system BiTiO <sub>3</sub> . <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 2699-2704	6	22
118	Structure, non-stoichiometry and thermodynamic properties of Bi <sub>1.85</sub> Sr <sub>2</sub> Co <sub>1.85</sub> O <sub>7.75</sub> ceramics. <i>Thermochimica Acta</i> , <b>2014</b> , 582, 40-45	2.9	22

117	Mesomeric Effects of Graphene Modified with Diazonium Salts: Substituent Type and Position Influence its Properties. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 17728-38	4.8	21
116	Separation of thorium ions from wolframite and scandium concentrates using graphene oxide. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 25272-7	3.6	20
115	Simple Synthesis of Fluorinated Graphene: Thermal Exfoliation of Fluorographite. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17696-17703	4.8	20
114	Synthesis, Structure, and Thermal Stability of Magnesium Oxychloride $5\text{Mg}(\text{OH})_2\text{MgCl}_2\cdot 8\text{H}_2\text{O}$ . <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1683	2.6	19
113	Synthesis and Properties of Nanosized Stoichiometric Cobalt Ferrite Spinel. <i>Materials</i> , <b>2018</b> , 11,	3.5	19
112	Thermal Stability and Kinetics of Formation of Magnesium Oxychloride Phase $3\text{Mg}(\text{OH})_2\text{MgCl}_2\cdot 8\text{H}_2\text{O}$ . <i>Materials</i> , <b>2020</b> , 13,	3.5	18
111	Definitive Insight into the Graphite Oxide Reduction Mechanism by Deuterium Labeling. <i>ChemPlusChem</i> , <b>2015</b> , 80, 1399-1407	2.8	18
110	STUDY ON POZZOLANA ACTIVITY OF WHEAT STRAW ASH AS POTENTIAL ADMIXTURE FOR BLENDED CEMENTS. <i>Ceramics - Silikaty</i> , <b>2017</b> , 327-339	0.6	18
109	High temperature superconducting materials as bi-functional catalysts for hydrogen evolution and oxygen reduction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8346-8352	13	17
108	Simple synthesis of $\text{Cr}_2\text{O}_3$ nanoparticles with a tunable particle size. <i>Ceramics International</i> , <b>2015</b> , 41, 4644-4650	5.1	17
107	Magnetic and magnetotransport properties of misfit cobaltate $\text{Ca}_3\text{Co}_3.93\text{O}_9$ . <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07D715	2.5	17
106	Thermodynamic properties of nanostructured ZnO. <i>Applied Materials Today</i> , <b>2018</b> , 10, 1-11	6.6	17
105	Selective Bromination of Graphene Oxide by the Hunsdiecker Reaction. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 10473-10479	4.8	16
104	Ultrafine ferromagnetic iron oxide nanoparticles: Facile synthesis by low temperature decomposition of iron glycerolate. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 180, 272-278	4.4	16
103	Fast Synthesis of Highly Oxidized Graphene Oxide. <i>ChemistrySelect</i> , <b>2017</b> , 2, 9000-9006	1.8	15
102	Ternary Blended Binder for Production of a Novel Type of Lightweight Repair Mortar. <i>Materials</i> , <b>2019</b> , 12,	3.5	15
101	Carbon Dioxide Uptake by MOC-Based Materials. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2254	2.6	15
100	Experimental Analysis of MOC Composite with a Waste-Expanded Polypropylene-Based Aggregate. <i>Materials</i> , <b>2018</b> , 11,	3.5	15

99	Synthesis, magnetic and transport properties of oxygen-free CrN ceramics. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 4131-4136	6	15
98	Heat capacity, enthalpy and entropy of Sr <sub>14</sub> Co <sub>11</sub> O <sub>33</sub> and Sr <sub>6</sub> Co <sub>5</sub> O <sub>15</sub> . <i>Thermochemica Acta</i> , <b>2014</b> , 575, 167-172	2.9	15
97	Concentration of Nitric Acid Strongly Influences Chemical Composition of Graphite Oxide. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6432-6440	4.8	14
96	Definitive proof of graphene hydrogenation by Clemmensen reduction: use of deuterium labeling. <i>Nanoscale</i> , <b>2015</b> , 7, 10535-43	7.7	14
95	Porous alumina and zirconia ceramics with tailored thermal conductivity. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 395, 012022	0.3	14
94	Use of deuterium labelling—evidence of graphene hydrogenation by reduction of graphite oxide using aluminium in sodium hydroxide. <i>RSC Advances</i> , <b>2015</b> , 5, 18733-18739	3.7	13
93	Synthesis and properties of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> /Y <sub>2</sub> Ba <sub>4</sub> CuWO <sub>10.8</sub> superconducting composites. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 2541-2546	6	13
92	Towards novel building materials: High-strength nanocomposites based on graphene, graphite oxide and magnesium oxychloride. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100766	6.6	13
91	High-performance magnesium oxychloride composites with silica sand and diatomite. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 11, 957-969	5.5	13
90	Synthesis, structure, thermal, transport and magnetic properties of VN ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 18779-18784	5.1	13
89	Preparation of polymeric coatings by ionized jet deposition method. <i>Chemical Papers</i> , <b>2018</b> , 72, 1735-1739		12
88	Size and Shape-Dependent Solubility of CuO Nanostructures. <i>Materials</i> , <b>2019</b> , 12,	3.5	12
87	Oxygen non-stoichiometry and thermodynamic properties of Bi <sub>2</sub> Sr <sub>2</sub> CoO <sub>6+x</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 1219-1225	6	12
86	LIGHTWEIGHT CONCRETE MADE WITH WASTE EXPANDED POLYPROPYLENE-BASED AGGREGATE AND SYNTHETIC COAGULATED AMORPHOUS SILICA. <i>Ceramics - Silikaty</i> , <b>2018</b> , 221-232	0.6	12
85	Influence of Waste Plastic Aggregate and Water-Repellent Additive on the Properties of Lightweight Magnesium Oxychloride Cement Composite. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 5463	2.6	12
84	Low-Carbon Composite Based on MOC, Silica Sand and Ground Porcelain Insulator Waste. <i>Processes</i> , <b>2020</b> , 8, 829	2.9	11
83	Partially Hydrogenated Graphene Materials Exhibit High Electrocatalytic Activities Related to Unintentional Doping with Metallic Impurities. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 8627-34	4.8	11
82	Preparation of manganese oxide nanoparticles by thermal decomposition of nanostructured manganese carbonate. <i>Chemical Papers</i> , <b>2017</b> , 71, 1031-1035	1.9	10

81	Simple synthesis of free surface nanostructured spinel NiFe <sub>2</sub> O <sub>4</sub> with a tunable particle size. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 723, 58-63	5.7	10
80	Magnesium Oxychloride Cement Composites with Silica Filler and Coal Fly Ash Admixture. <i>Materials</i> , <b>2020</b> , 13,	3.5	10
79	Synthesis and Applications of Graphene Oxide.. <i>Materials</i> , <b>2022</b> , 15,	3.5	10
78	Thermodynamic properties of stoichiometric lithium cobaltite LiCoO <sub>2</sub> . <i>Thermochimica Acta</i> , <b>2016</b> , 634, 26-30	2.9	10
77	Electrochemical properties of layered SnO and PbO for energy applications. <i>RSC Advances</i> , <b>2015</b> , 5, 101949-101958	3.7	9
76	Production of pure amorphous silica from wheat straw ash. <i>Green Materials</i> , <b>2018</b> , 6, 1-5	3.2	9
75	Influence of Wood-Based Biomass Ash Admixing on the Structural, Mechanical, Hygric, and Thermal Properties of Air Lime Mortars. <i>Materials</i> , <b>2019</b> , 12,	3.5	9
74	Infrared luminescence in Er <sup>3+</sup> :Yb <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> bulk ceramics prepared by sol-gel method. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 3779-3782	6	9
73	Misfit-layered Bi <sub>1.85</sub> Sr <sub>2</sub> Co <sub>1.85</sub> O <sub>7.7</sub> -F for the hydrogen evolution reaction: beyond van der Waals heterostructures. <i>ChemPhysChem</i> , <b>2015</b> , 16, 769-74	3.2	9
72	Microscale and nanoscale pinning centres in single-domain REBCO superconductors. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 13010-13019	7.1	9
71	Facile preparation of nanosized yttrium oxide by the thermal decomposition of amorphous Schiff base yttrium complex precursor. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 830, 146-149	2.3	8
70	Structure, oxygen non-stoichiometry and thermal properties of (Bi <sub>0.4</sub> Sr <sub>0.6</sub> )Sr <sub>2</sub> CoO <sub>5</sub> ∓	2.9	8
69	Synthesis of Graphene Oxide by Oxidation of Graphite with Ferrate(VI) Compounds: Myth or Reality?. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12144-12148	3.6	8
68	Unique wettability phenomenon of carbon-bonded alumina with advanced nanocoating. <i>Applied Materials Today</i> , <b>2018</b> , 13, 24-31	6.6	8
67	Cost-effective isothermal top-seeded melt-growth of single-domain YBCO superconducting ceramics. <i>Solid State Sciences</i> , <b>2019</b> , 88, 74-80	3.4	8
66	Nano-functionalization of carbon-bonded alumina using graphene oxide and MWCNTs. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4732-4738	6	7
65	Synthesis, Composition, and Properties of Partially Oxidized Graphite Oxides. <i>Materials</i> , <b>2019</b> , 12,	3.5	7
64	Nanosized Pinning Centers in the Rare Earth-Barium-Copper-Oxide Thin-Film Superconductors. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	7

63	Facile synthesis of magnetic Co nanofoam by low-temperature thermal decomposition of Co glycerolate. <i>Micro and Nano Letters</i> , <b>2017</b> , 12, 278-280	0.9	6
62	Phase equilibria in the ZnMnO system. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 555-560	6	6
61	Effect of heat treatment conditions on magnesium borate fibers prepared via electrospinning. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4109-4117	6	6
60	MOC Doped with Graphene Nanoplatelets: The Influence of the Mixture Preparation Technology on Its Properties. <i>Materials</i> , <b>2021</b> , 14,	3.5	6
59	Sol-gel-derived planar waveguides of Er <sup>3+</sup> :Yb <sup>3+</sup> Al <sub>5</sub> O <sub>12</sub> prepared by a polyvinylpyrrolidone-based method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 80, 531-537	2.3	6
58	Reducing emission of carcinogenic by-products in the production of thermally reduced graphene oxide. <i>Green Chemistry</i> , <b>2016</b> , 18, 6618-6629	10	6
57	Foam Glass Lightened Sorel Cement Composites Doped with Coal Fly Ash. <i>Materials</i> , <b>2021</b> , 14,	3.5	6
56	Thermodynamic properties of tubular cobaltite Bi <sub>3.7</sub> Sr <sub>11.4</sub> Co <sub>8</sub> O <sub>29</sub> <i>Thermochimica Acta</i> , <b>2015</b> , 605, 22-27	2.9	5
55	Introduction of sulfur to graphene oxide by Friedel-Crafts reaction. <i>FlatChem</i> , <b>2017</b> , 6, 28-36	5.1	5
54	Phase equilibria in the Bi-Sr-Co-O system: Towards the material tailoring of thermoelectric cobaltites. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 3005-3012	6	5
53	LaMgAl <sub>11</sub> O <sub>19</sub> synthesis using non-hydrolytic sol-gel methods. <i>Ceramics International</i> , <b>2019</b> , 45, 11233-11240	12.40	4
52	Heat capacity, entropy, oxygen non-stoichiometry and magnetic properties of cobalt sillenite Bi <sub>24</sub> Co <sub>2</sub> O <sub>39</sub> <i>Thermochimica Acta</i> , <b>2015</b> , 619, 26-31	2.9	4
51	Magnesium Oxychloride Cement Composites Lightened with Granulated Scrap Tires and Expanded Glass. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
50	Hydrogenation of Fluorographite and Fluorographene: An Easy Way to Produce Highly Hydrogenated Graphene. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 8350-8360	4.8	4
49	Synthesis and properties of phosphorus and sulfur co-doped graphene. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 16093-16102	3.6	4
48	Rapid thermal synthesis of GaN nanocrystals and nanodisks. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	4
47	Thermal properties of graphite oxide, thermally reduced graphene and chemically reduced graphene <b>2017</b> ,		4
46	Graphene: Oxygen-Free Highly Conductive Graphene Papers (Adv. Funct. Mater. 31/2014). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4877-4877	15.6	4



45	PREPARATION OF PUZZOLANA ACTIVE TWO COMPONENT COMPOSITE FOR LATENT HEAT STORAGE. <i>Ceramics - Silikaty</i> , <b>2016</b> , 291-298	0.6	4
44	WOOD CHIPS ASH PROCESSING AND ITS UTILIZATION IN MAGNESIUM PHOSPHATE CEMENT COMPOSITES. <i>Ceramics - Silikaty</i> , <b>2019</b> , 267-276	0.6	4
43	The Impact of Graphene and Diatomite Admixtures on the Performance and Properties of High-Performance Magnesium Oxychloride Cement Composites. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
42	Regolith-based magnesium oxychloride composites doped by graphene: Novel high-performance building materials for lunar constructions. <i>FlatChem</i> , <b>2021</b> , 26, 100234	5.1	4
41	Filter Coatings Based on Combination of Nanomaterials for Steel Melt Filtration. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 1900457	3.5	4
40	Magnesium Oxychloride Cement Composites with MWCNT for the Construction Applications. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
39	MOC-Diatomite Composites Filled with Multi-Walled Carbon Nanotubes. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
38	Magnesium oxychloride-graphene composites: Towards high strength and water resistant materials for construction industry. <i>FlatChem</i> , <b>2021</b> , 29, 100284	5.1	4
37	Electro-optic glass for light modulators. <i>Journal of Non-Crystalline Solids</i> , <b>2019</b> , 518, 51-56	3.9	3
36	Artificially perforated single-grain YBCO bulks: Dependence of superconducting properties on the bulk thickness. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 5169-5177	3.8	3
35	Thermodynamic properties of misfit cobaltite $[\text{Bi}_{2-x}\text{Ca}_x\text{O}_4][\text{CoO}_2]_{1.7}$ . <i>Thermochimica Acta</i> , <b>2017</b> , 656, 129-134	2.9	3
34	THE EFFECT OF THE SODIUM SULPHATE SOLUTION EXPOSURE ON PROPERTIES AND MECHANICAL RESISTANCE OF DIFFERENT KINDS OF RENDERS. <i>Ceramics - Silikaty</i> , <b>2018</b> , 311-324	0.6	3
33	The Effect of Nanosizing on the Oxidation of Partially Oxidized Copper Nanoparticles. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
32	Phase-stable segmentation of BSCCO high-temperature superconductor into micro-, meso-, and nano-size fractions. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 12071-12079	5.5	3
31	Effect of Target Density on the Surface Morphology of Y-Ba-Cu-O Thin Films Prepared by Ionized Jet Deposition. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	3
30	Magnesium Oxybromides MOB-318 and MOB-518: Brominated Analogues of Magnesium Oxychlorides. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4032	2.6	2
29	Phase equilibria modelling in BiBr <sub>2</sub> O <sub>10</sub> system towards crystal growth and melt-assisted material processing. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 131-135	6	2
28	Synthesis of YBCO - Y-2411-M (M=Bi, Mo, Nb, Ta, Ti and Zr) superconducting composites by TSMG <b>2018</b> ,		2



27	Synthesis of InN nanoparticles by rapid thermal ammonolysis. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	2
26	Tuning the top-seeded melt growth of REBCO single-domain superconducting bulks by a pyramid-like buffer stack. <i>Ceramics International</i> , <b>2021</b> , 48, 5377-5377	5.1	2
25	Kinetics of formation and thermal stability of Mg <sub>2</sub> (OH) <sub>3</sub> Cl·4H <sub>2</sub> O <b>2019</b> ,		2
24	Zeolite Lightweight Repair Renders: Effect of Binder Type on Properties and Salt Crystallization Resistance. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
23	Petrophysical record of evolution of weakly deformed low-porosity limestone revealed by small-angle neutron scattering, neutron diffraction and AMS study. <i>Geophysical Journal International</i> , <b>2018</b> , 215, 895-908	2.6	1
22	Heat capacity and thermal stability of Y <sub>2</sub> BaCuO <sub>5</sub> <b>2019</b> ,		1
21	Ultra-high strength multicomponent composites based on reactive magnesia: Tailoring of material properties by addition of 1D and 2D carbon nanoadditives. <i>Journal of Building Engineering</i> , <b>2022</b> , 50, 104122	5.2	1
20	Influence of Graphite Oxide Addition on the Properties of Magnesium Oxychloride Cement Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 960, 022080	0.4	1
19	MOC Cement-Based Composites with Silica Filler and Wood Chips Ash Admixture. <i>IOP Conference Series: Materials Science and Engineering</i> , 960, 022081	0.4	1
18	Flame aerosol transport method for assembling CeO <sub>2</sub> /BiO <sub>2</sub> nanocomposites. <i>Ceramics International</i> , <b>2020</b> , 46, 5495-5499	5.1	1
17	Hydrotalcites in Construction Materials. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7989	2.6	1
16	Synthesis and Characterization of the Properties of Ceria Nanoparticles with Tunable Particle Size for the Decomposition of Chlorinated Pesticides. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5224	2.6	1
15	Lightweight Vapor-Permeable Plasters for Building Repair Detailed Experimental Analysis of the Functional Properties. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
14	Thermodynamic modeling of copper nanoparticles oxidation <b>2019</b> ,		1
13	Thermodynamic Properties of Stoichiometric Non-Superconducting Phase YBaCuO. <i>Materials</i> , <b>2019</b> , 12,	3.5	1
12	The effective synthesis of large volumes of the ultrafine BaZrO <sub>3</sub> nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 259, 124047	4.4	1
11	Thermal decomposition of lactates: Towards ultrafine nanostructured oxides <b>2018</b> ,		1
10	Effect of ZnO nanosizing on its solubility in aqueous media. <i>Micro and Nano Letters</i> , <b>2018</b> , 13, 1585-1589	0.9	1

9	Transport Coefficients in Y-Ba-Cu-O System for Ionized Jet Deposition Method. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-3	1.8	1
8	The influence of graphene specific surface on material properties of MOC-based composites for construction use. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 103193	5.2	1
7	Graphene-Reinforced Carbon-Bonded Coarse-Grained Refractories.. <i>Materials</i> , <b>2021</b> , 15,	3.5	1
6	Texture of the Freshwater Shells from the Unionidae Family Collected in the Czech Republic Investigated by X-ray and Neutron Diffraction. <i>Crystals</i> , <b>2021</b> , 11, 1483	2.3	0
5	Synthesis of nanosized LaFeAl <sub>11</sub> O <sub>19</sub> hexaaluminate by mixed metal glycerolate method. <i>Ceramics International</i> , <b>2021</b> , 47, 29653-29659	5.1	0
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3	Fine fluorite nanoparticles synthesized from biomass ash. <i>Journal of Fluorine Chemistry</i> , <b>2018</b> , 216, 112-117		
2	Influence of RE-Based Liquid Source (RE = Sm, Gd, Dy, Y, Yb) on EuBCO/Ag Superconducting Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	
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