

Ondrej Jankovsky

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.

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 and Applications of Graphene Oxide.. <i>Materials</i> , 2022 , 15,	3.5	10
151	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> , 2022 , 50, 104122	5.2	1
150	Tuning the top-seeded melt growth of REBCO single-domain superconducting bulks by a pyramid-like buffer stack. <i>Ceramics International</i> , 2021 , 48, 5377-5377	5.1	2
149	Texture of the Freshwater Shells from the Unionidae Family Collected in the Czech Republic Investigated by X-ray and Neutron Diffraction. <i>Crystals</i> , 2021 , 11, 1483	2.3	0
148	High-performance magnesium oxychloride composites with silica sand and diatomite. <i>Journal of Materials Research and Technology</i> , 2021 , 11, 957-969	5.5	13
147	MOC Doped with Graphene Nanoplatelets: The Influence of the Mixture Preparation Technology on Its Properties. <i>Materials</i> , 2021 , 14,	3.5	6
146	Regolith-based magnesium oxychloride composites doped by graphene: Novel high-performance building materials for lunar constructions. <i>FlatChem</i> , 2021 , 26, 100234	5.1	4
145	Lightweight Vapor-Permeable Plasters for Building Repair Detailed Experimental Analysis of the Functional Properties. <i>Materials</i> , 2021 , 14,	3.5	1
144	The effective synthesis of large volumes of the ultrafine BaZrO ₃ nanoparticles. <i>Materials Chemistry and Physics</i> , 2021 , 259, 124047	4.4	1
143	Magnesium Oxychloride Cement Composites with MWCNT for the Construction Applications. <i>Materials</i> , 2021 , 14,	3.5	4
142	Foam Glass Lightened Sorel® Cement Composites Doped with Coal Fly Ash. <i>Materials</i> , 2021 , 14,	3.5	6
141	Zeolite Lightweight Repair Renders: Effect of Binder Type on Properties and Salt Crystallization Resistance. <i>Materials</i> , 2021 , 14,	3.5	2
140	Transport Coefficients in Y-Ba-Cu-O System for Ionized Jet Deposition Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-3	1.8	1
139	MOC-Diatomite Composites Filled with Multi-Walled Carbon Nanotubes. <i>Materials</i> , 2021 , 14,	3.5	4
138	Influence of RE-Based Liquid Source (RE = Sm, Gd, Dy, Y, Yb) on EuBCO/Ag Superconducting Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	
137	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> , 2021 , 31, 1-5	1.8	3
136	Magnesium oxychloride-graphene composites: Towards high strength and water resistant materials for construction industry. <i>FlatChem</i> , 2021 , 29, 100284	5.1	4

135	The influence of graphene specific surface on material properties of MOC-based composites for construction use. <i>Journal of Building Engineering</i> , 2021 , 43, 103193	5.2	1
134	High-density YBCO targets for sputtering with defect-free microstructure prepared by novel infiltration method. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 7077-7084	6	
133	Synthesis of nanosized LaFeAl ₁₁ O ₁₉ hexaaluminate by mixed metal glycerolate method. <i>Ceramics International</i> , 2021 , 47, 29653-29659	5.1	0
132	Graphene-Reinforced Carbon-Bonded Coarse-Grained Refractories.. <i>Materials</i> , 2021 , 15,	3.5	1
131	Magnesium Oxychloride Cement Composites Lightened with Granulated Scrap Tires and Expanded Glass. <i>Materials</i> , 2020 , 13,	3.5	4
130	Magnesium Oxychloride Cement Composites with Silica Filler and Coal Fly Ash Admixture. <i>Materials</i> , 2020 , 13,	3.5	10
129	Magnesium Oxybromides MOB-318 and MOB-518: Brominated Analogues of Magnesium Oxychlorides. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4032	2.6	2
128	Artificially perforated single-grain YBCO bulks: Dependence of superconducting properties on the bulk thickness. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 5169-5177	3.8	3
127	Thermal Stability and Kinetics of Formation of Magnesium Oxychloride Phase 3Mg(OH)MgCl ₂ ·8H ₂ O. <i>Materials</i> , 2020 , 13,	3.5	18
126	Carbon Dioxide Uptake by MOC-Based Materials. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2254	2.6	15
125	Synthesis, Structure, and Thermal Stability of Magnesium Oxychloride 5Mg(OH)2MgCl ₂ ·8H ₂ O. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1683	2.6	19
124	Flame aerosol transport method for assembling CeO ₂ /BiO ₂ nanocomposites. <i>Ceramics International</i> , 2020 , 46, 5495-5499	5.1	1
123	Hydrotalcites in Construction Materials. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7989	2.6	1
122	Low-Carbon Composite Based on MOC, Silica Sand and Ground Porcelain Insulator Waste. <i>Processes</i> , 2020 , 8, 829	2.9	11
121	Towards novel building materials: High-strength nanocomposites based on graphene, graphite oxide and magnesium oxychloride. <i>Applied Materials Today</i> , 2020 , 20, 100766	6.6	13
120	The Effect of Nanosizing on the Oxidation of Partially Oxidized Copper Nanoparticles. <i>Materials</i> , 2020 , 13,	3.5	3
119	Nanosized Pinning Centers in the Rare Earth-Barium-Copper-Oxide Thin-Film Superconductors. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
118	Phase-stable segmentation of BSCCO high-temperature superconductor into micro-, meso-, and nano-size fractions. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 12071-12079	5.5	3

117	Synthesis and Characterization of the Properties of Ceria Nanoparticles with Tunable Particle Size for the Decomposition of Chlorinated Pesticides. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5224	2.6	1
116	The Impact of Graphene and Diatomite Admixtures on the Performance and Properties of High-Performance Magnesium Oxychloride Cement Composites. <i>Materials</i> , 2020 , 13,	3.5	4
115	Filter Coatings Based on Combination of Nanomaterials for Steel Melt Filtration. <i>Advanced Engineering Materials</i> , 2020 , 22, 1900457	3.5	4
114	Eco-friendly concrete with scrap-tyre-rubber-based aggregate [Properties and thermal stability. <i>Construction and Building Materials</i> , 2019 , 225, 709-722	6.7	35
113	Complex Characterization and Behavior of Waste Fired Brick Powder-Portland Cement System. <i>Materials</i> , 2019 , 12,	3.5	29
112	Ternary Blended Binder for Production of a Novel Type of Lightweight Repair Mortar. <i>Materials</i> , 2019 , 12,	3.5	15
111	Electro-optic glass for light modulators. <i>Journal of Non-Crystalline Solids</i> , 2019 , 518, 51-56	3.9	3
110	LaMgAl ₁₁ O ₁₉ synthesis using non-hydrolytic sol-gel methods. <i>Ceramics International</i> , 2019 , 45, 11233-11240	3.2	4
109	Influence of Wood-Based Biomass Ash Admixing on the Structural, Mechanical, Hygric, and Thermal Properties of Air Lime Mortars. <i>Materials</i> , 2019 , 12,	3.5	9
108	Synthesis, Composition, and Properties of Partially Oxidized Graphite Oxides. <i>Materials</i> , 2019 , 12,	3.5	7
107	Size and Shape-Dependent Solubility of CuO Nanostructures. <i>Materials</i> , 2019 , 12,	3.5	12
106	Heat capacity and thermal stability of Y ₂ BaCuO ₅ 2019 ,		1
105	WOOD CHIPS ASH PROCESSING AND ITS UTILIZATION IN MAGNESIUM PHOSPHATE CEMENT COMPOSITES. <i>Ceramics - Silikaty</i> , 2019 , 267-276	0.6	4
104	Influence of Waste Plastic Aggregate and Water-Repellent Additive on the Properties of Lightweight Magnesium Oxychloride Cement Composite. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5463	2.6	12
103	Thermodynamic modeling of copper nanoparticles oxidation 2019 ,		1
102	Kinetics of formation and thermal stability of Mg ₂ (OH) ₃ Cl·4H ₂ O 2019 ,		2
101	Microscale and nanoscale pinning centres in single-domain REBCO superconductors. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13010-13019	7.1	9
100	Thermodynamic Properties of Stoichiometric Non-Superconducting Phase YBaCuO. <i>Materials</i> , 2019 , 12,	3.5	1

99	Cost-effective isothermal top-seeded melt-growth of single-domain YBCO superconducting ceramics. <i>Solid State Sciences</i> , 2019 , 88, 74-80	3.4	8
98	Synthesis and properties of YBa ₂ Cu ₃ O _{7-x} /Y ₂ Ba ₄ CuWO _{10.8} superconducting composites. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 2541-2546	6	13
97	Preparation of polymeric coatings by ionized jet deposition method. <i>Chemical Papers</i> , 2018 , 72, 1735-1739		12
96	Hydrogenation of Fluorographite and Fluorographene: An Easy Way to Produce Highly Hydrogenated Graphene. <i>Chemistry - A European Journal</i> , 2018 , 24, 8350-8360	4.8	4
95	Biomass ash-based mineral admixture prepared from municipal sewage sludge and its application in cement composites. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 159-171	4.3	29
94	Effect of heat treatment conditions on magnesium borate fibers prepared via electrospinning. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4109-4117	6	6
93	Production of pure amorphous silica from wheat straw ash. <i>Green Materials</i> , 2018 , 6, 1-5	3.2	9
92	Phase equilibria modelling in BiBrCoO system towards crystal growth and melt-assisted material processing. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 131-135	6	2
91	Synthesis and Properties of Nanosized Stoichiometric Cobalt Ferrite Spinel. <i>Materials</i> , 2018 , 11,	3.5	19
90	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> , 2018 , 215, 895-908	2.6	1
89	Experimental Analysis of MOC Composite with a Waste-Expanded Polypropylene-Based Aggregate. <i>Materials</i> , 2018 , 11,	3.5	15
88	Synthesis of YBCO - Y-2411-M (M=Bi, Mo, Nb, Ta, Ti and Zr) superconducting composites by TSMG 2018 ,		2
87	Nano-functionalization of carbon-bonded alumina using graphene oxide and MWCNTs. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4732-4738	6	7
86	Synthesis and properties of phosphorus and sulfur co-doped graphene. <i>New Journal of Chemistry</i> , 2018 , 42, 16093-16102	3.6	4
85	Unique wettability phenomenon of carbon-bonded alumina with advanced nanocoating. <i>Applied Materials Today</i> , 2018 , 13, 24-31	6.6	8
84	Mixed Yttrium-Terbium-Erbium Schiff Base Complex as a Model Precursor for Mixed Nanosized Rare Earths Oxides. <i>Journal of Cluster Science</i> , 2018 , 29, 549-553	3	
83	Structural, mechanical and hygrothermal properties of lightweight concrete based on the application of waste plastics. <i>Construction and Building Materials</i> , 2018 , 180, 1-11	6.7	56
82	LIGHTWEIGHT CONCRETE MADE WITH WASTE EXPANDED POLYPROPYLENE-BASED AGGREGATE AND SYNTHETIC COAGULATED AMORPHOUS SILICA. <i>Ceramics - Silikaty</i> , 2018 , 221-232	0.6	12

81	THE EFFECT OF THE SODIUM SULPHATE SOLUTION EXPOSURE ON PROPERTIES AND MECHANICAL RESISTANCE OF DIFFERENT KINDS OF RENDERS. <i>Ceramics - Silikaty</i> , 2018 , 311-324	0.6	3
80	Physical and chemical characterization of technogenic pozzolans for the application in blended cements. <i>Construction and Building Materials</i> , 2018 , 160, 106-116	6.7	34
79	Thermodynamic properties of nanostructured ZnO. <i>Applied Materials Today</i> , 2018 , 10, 1-11	6.6	17
78	Thermal decomposition of lactates: Towards ultrafine nanostructured oxides 2018 ,		1
77	Fine fluorite nanoparticles synthesized from biomass ash. <i>Journal of Fluorine Chemistry</i> , 2018 , 216, 112-117		
76	Valorization of wood chips ash as an eco-friendly mineral admixture in mortar mix design. <i>Waste Management</i> , 2018 , 80, 89-100	8.6	35
75	Effect of ZnO nanosizing on its solubility in aqueous media. <i>Micro and Nano Letters</i> , 2018 , 13, 1585-1589	0.9	1
74	Facile preparation of nanosized yttrium oxide by the thermal decomposition of amorphous Schiff base yttrium complex precursor. <i>Journal of Organometallic Chemistry</i> , 2017 , 830, 146-149	2.3	8
73	Concentration of Nitric Acid Strongly Influences Chemical Composition of Graphite Oxide. <i>Chemistry - A European Journal</i> , 2017 , 23, 6432-6440	4.8	14
72	Facile synthesis of magnetic Co nanofoam by low-temperature thermal decomposition of Co glycerolate. <i>Micro and Nano Letters</i> , 2017 , 12, 278-280	0.9	6
71	Preparation of manganese oxide nanoparticles by thermal decomposition of nanostructured manganese carbonate. <i>Chemical Papers</i> , 2017 , 71, 1031-1035	1.9	10
70	Simple synthesis of free surface nanostructured spinel NiFe ₂ O ₄ with a tunable particle size. <i>Journal of Alloys and Compounds</i> , 2017 , 723, 58-63	5.7	10
69	Selective Bromination of Graphene Oxide by the Hunsdiecker Reaction. <i>Chemistry - A European Journal</i> , 2017 , 23, 10473-10479	4.8	16
68	Tuning of graphene oxide composition by multiple oxidations for carbon dioxide storage and capture of toxic metals. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2739-2748	13	62
67	Fast Synthesis of Highly Oxidized Graphene Oxide. <i>ChemistrySelect</i> , 2017 , 2, 9000-9006	1.8	15
66	Thermodynamic properties of misfit cobaltite [Bi _{2-x} Ca ₂ O ₄][CoO ₂] _{1.7} . <i>Thermochimica Acta</i> , 2017 , 656, 129-134	2.9	3
65	Thermal properties of graphite oxide, thermally reduced graphene and chemically reduced graphene 2017 ,		4
64	Introduction of sulfur to graphene oxide by Friedel-Crafts reaction. <i>FlatChem</i> , 2017 , 6, 28-36	5.1	5

63	STUDY ON POZZOLANA ACTIVITY OF WHEAT STRAW ASH AS POTENTIAL ADMIXTURE FOR BLENDED CEMENTS. <i>Ceramics - Silikaty</i> , 2017 , 327-339	0.6	18
62	Origin of exotic ferromagnetic behavior in exfoliated layered transition metal dichalcogenides MoS ₂ and WS ₂ . <i>Nanoscale</i> , 2016 , 8, 1960-7	7.7	48
61	Synthesis of Graphene Oxide by Oxidation of Graphite with Ferrate(VI) Compounds: Myth or Reality?. <i>Angewandte Chemie</i> , 2016 , 128, 12144-12148	3.6	8
60	Synthesis of Graphene Oxide by Oxidation of Graphite with Ferrate(VI) Compounds: Myth or Reality?. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11965-9	16.4	22
59	Synthesis procedure and type of graphite oxide strongly influence resulting graphene properties. <i>Applied Materials Today</i> , 2016 , 4, 45-53	6.6	70
58	A New Member of the Graphene Family: Graphene Acid. <i>Chemistry - A European Journal</i> , 2016 , 22, 17416-17424	18.4	34
57	Simple Synthesis of Fluorinated Graphene: Thermal Exfoliation of Fluorographite. <i>Chemistry - A European Journal</i> , 2016 , 22, 17696-17703	4.8	20
56	Ultrafine ferromagnetic iron oxide nanoparticles: Facile synthesis by low temperature decomposition of iron glycerolate. <i>Materials Chemistry and Physics</i> , 2016 , 180, 272-278	4.4	16
55	Nanosized graphane (C ₁ H _{1.14}) _n by hydrogenation of carbon nanofibers by Birch reduction method. <i>RSC Advances</i> , 2016 , 6, 6475-6485	3.7	22
54	PREPARATION OF PUZZOLANA ACTIVE TWO COMPONENT COMPOSITE FOR LATENT HEAT STORAGE. <i>Ceramics - Silikaty</i> , 2016 , 291-298	0.6	4
53	Toward graphene chloride: chlorination of graphene and graphene oxide. <i>RSC Advances</i> , 2016 , 6, 66884-66892	6.9	39
52	Partially Hydrogenated Graphene Materials Exhibit High Electrocatalytic Activities Related to Unintentional Doping with Metallic Impurities. <i>Chemistry - A European Journal</i> , 2016 , 22, 8627-34	4.8	11
51	Thermodynamic properties of stoichiometric lithium cobaltite LiCoO ₂ . <i>Thermochimica Acta</i> , 2016 , 634, 26-30	2.9	10
50	Synthesis, structure, thermal, transport and magnetic properties of VN ceramics. <i>Ceramics International</i> , 2016 , 42, 18779-18784	5.1	13
49	Sol-gel-derived planar waveguides of Er ³⁺ :Yb ³⁺ Al ₅ O ₁₂ prepared by a polyvinylpyrrolidone-based method. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 80, 531-537	2.3	6
48	Graphene Oxide Sorption Capacity toward Elements over the Whole Periodic Table: A Comparative Study. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24203-24212	3.8	44
47	Reducing emission of carcinogenic by-products in the production of thermally reduced graphene oxide. <i>Green Chemistry</i> , 2016 , 18, 6618-6629	10	6
46	Thermodynamic properties of tubular cobaltite Bi _{3.7} Sr _{11.4} Co ₈ O ₂₉ . <i>Thermochimica Acta</i> , 2015 , 605, 22-27	2.9	5

45	Synthesis of strongly fluorescent graphene quantum dots by cage-opening buckminsterfullerene. <i>ACS Nano</i> , 2015 , 9, 2548-55	16.7	200
44	Tuning of fluorine content in graphene: towards large-scale production of stoichiometric fluorographene. <i>Nanoscale</i> , 2015 , 7, 13646-55	7.7	127
43	Use of deuterium labelling—evidence of graphene hydrogenation by reduction of graphite oxide using aluminium in sodium hydroxide. <i>RSC Advances</i> , 2015 , 5, 18733-18739	3.7	13
42	Insight into the mechanism of the thermal reduction of graphite oxide: deuterium-labeled graphite oxide is the key. <i>ACS Nano</i> , 2015 , 9, 5478-85	16.7	39
41	Highly selective removal of Ga ³⁺ ions from Al ³⁺ /Ga ³⁺ mixtures using graphite oxide. <i>Carbon</i> , 2015 , 89, 121-129	10.4	32
40	High temperature superconducting materials as bi-functional catalysts for hydrogen evolution and oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8346-8352	13	17
39	Heat capacity, entropy, oxygen non-stoichiometry and magnetic properties of cobalt sillenite Bi ₂ Co ₂ O ₃₉ . <i>Thermochimica Acta</i> , 2015 , 619, 26-31	2.9	4
38	Separation of thorium ions from wolframite and scandium concentrates using graphene oxide. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 25272-7	3.6	20
37	Electrochemical properties of layered SnO and PbO for energy applications. <i>RSC Advances</i> , 2015 , 5, 101949-101958	3.7	19
36	Simple synthesis of Cr ₂ O ₃ nanoparticles with a tunable particle size. <i>Ceramics International</i> , 2015 , 41, 4644-4650	5.1	17
35	Structure, oxygen non-stoichiometry and thermal properties of (Bi _{0.4} Sr _{0.6})Sr ₂ CoO ₅ . <i>Thermochimica Acta</i> , 2015 , 600, 89-94	2.9	8
34	Phase diagram of the SrTiO ₃ system. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 935-940	6	22
33	Synthesis of MnO, Mn ₂ O ₃ and Mn ₃ O ₄ nanocrystal clusters by thermal decomposition of manganese glycerolate. <i>Ceramics International</i> , 2015 , 41, 595-601	5.1	34
32	Towards graphene iodide: iodination of graphite oxide. <i>Nanoscale</i> , 2015 , 7, 261-70	7.7	45
31	Phase equilibria in the ZnMnO system. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 555-560	6	6
30	Mesomeric Effects of Graphene Modified with Diazonium Salts: Substituent Type and Position Influence its Properties. <i>Chemistry - A European Journal</i> , 2015 , 21, 17728-38	4.8	21
29	Definitive Insight into the Graphite Oxide Reduction Mechanism by Deuterium Labeling. <i>ChemPlusChem</i> , 2015 , 80, 1399-1407	2.8	18
28	Definitive proof of graphene hydrogenation by Clemmensen reduction: use of deuterium labeling. <i>Nanoscale</i> , 2015 , 7, 10535-43	7.7	14

27	Phase equilibria in the Bi-Sr-Co-O system: Towards the material tailoring of thermoelectric cobaltites. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 3005-3012	6	5
26	Misfit-layered Bi _{1.85} Sr ₂ Co _{1.85} O _{7.7} -F for the hydrogen evolution reaction: beyond van der Waals heterostructures. <i>ChemPhysChem</i> , 2015 , 16, 769-74	3.2	9
25	Water-soluble highly fluorinated graphite oxide. <i>RSC Advances</i> , 2014 , 4, 1378-1387	3.7	58
24	Oxygen-Free Highly Conductive Graphene Papers. <i>Advanced Functional Materials</i> , 2014 , 24, 4878-4885	15.6	39
23	Highly hydrogenated graphene via active hydrogen reduction of graphene oxide in the aqueous phase at room temperature. <i>Nanoscale</i> , 2014 , 6, 2153-60	7.7	45
22	Carbon fragments are ripped off from graphite oxide sheets during their thermal reduction. <i>New Journal of Chemistry</i> , 2014 , 38, 5700-5705	3.6	32
21	Synthesis, magnetic and transport properties of oxygen-free CrN ceramics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 4131-4136	6	15
20	Neutron diffraction as a precise and reliable method for obtaining structural properties of bulk quantities of graphene. <i>Nanoscale</i> , 2014 , 6, 13082-9	7.7	32
19	Alternating Misfit Layered Transition/Alkaline Earth Metal Chalcogenide Ca ₃ Co ₄ O ₉ as a New Class of Chalcogenide Materials for Hydrogen Evolution. <i>Chemistry of Materials</i> , 2014 , 26, 4130-4136	9.6	60
18	Infrared luminescence in Er ³⁺ :Yb ₃ Al ₅ O ₁₂ bulk ceramics prepared by sol-gel method. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 3779-3782	6	9
17	Towards graphene bromide: bromination of graphite oxide. <i>Nanoscale</i> , 2014 , 6, 6065-74	7.7	91
16	Uranium- and thorium-doped graphene for efficient oxygen and hydrogen peroxide reduction. <i>ACS Nano</i> , 2014 , 8, 7106-14	16.7	64
15	Heat capacity, enthalpy and entropy of Sr ₁₄ Co ₁₁ O ₃₃ and Sr ₆ Co ₅ O ₁₅ . <i>Thermochimica Acta</i> , 2014 , 575, 167-172	2.9	15
14	Towards highly electrically conductive and thermally insulating graphene nanocomposites: Al ₂ O ₃ /graphene. <i>RSC Advances</i> , 2014 , 4, 7418-7424	3.7	44
13	Vacuum-assisted microwave reduction/exfoliation of graphite oxide and the influence of precursor graphite oxide. <i>Carbon</i> , 2014 , 77, 508-517	10.4	52
12	Graphene: Oxygen-Free Highly Conductive Graphene Papers (Adv. Funct. Mater. 31/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 4877-4877	15.6	4
11	Synthesis of InN nanoparticles by rapid thermal ammonolysis. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	2
10	Oxygen non-stoichiometry and thermodynamic properties of Bi ₂ Sr ₂ CoO ₆ + δ ceramics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1219-1225	6	12

9	Structure, non-stoichiometry and thermodynamic properties of Bi _{1.85} Sr ₂ Co _{1.85} O _{7.7} ceramics. <i>Thermochimica Acta</i> , 2014 , 582, 40-45	2.9	22
8	CoO and Co ₃ O ₄ nanoparticles with a tunable particle size. <i>Ceramics International</i> , 2014 , 40, 12591-12595	5.1	37
7	Rapid thermal synthesis of GaN nanocrystals and nanodisks. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	4
6	Phase diagram of the pseudobinary system Bi ₂ CoO ₇ . <i>Journal of the European Ceramic Society</i> , 2013 , 33, 2699-2704	6	22
5	Phase equilibria in Ca ₂ CoO ₄ system. <i>Journal of Solid State Chemistry</i> , 2012 , 194, 199-205	3.3	81
4	Magnetic and magnetotransport properties of misfit cobaltate Ca ₃ Co _{3.93} O _{9+δ} . <i>Journal of Applied Physics</i> , 2012 , 111, 07D715	2.5	17
3	Porous alumina and zirconia ceramics with tailored thermal conductivity. <i>Journal of Physics: Conference Series</i> , 2012 , 395, 012022	0.3	14
2	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
1	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