Ondrej Jankovsky

List of Publications by Year
in descending order

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173 papers	3,739 citations	117625 34 h-index	168389 53 g-index
174 all docs	174 docs citations	174 times ranked	4391 citing authors

#	Article	IF	Citations
1	Tuning the top-seeded melt growth of REBCO single-domain superconducting bulks by a pyramid-like buffer stack. Ceramics International, 2022, 48, 5377-5385.	4.8	5
2	Synthesis and Applications of Graphene Oxide. Materials, 2022, 15, 920.	2.9	121
3	Co-Doped Magnesium Oxychloride Composites with Unique Flexural Strength for Construction Use. Materials, 2022, 15, 604.	2.9	1
4	Ultra-high strength multicomponent composites based on reactive magnesia: Tailoring of material properties by addition of 1D and 2D carbon nanoadditives. Journal of Building Engineering, 2022, 50, 104122.	3.4	6
5	Highly-reactive nanoscale MgO precursor for fast synthesis of magnesium oxychlorides. AIP Conference Proceedings, 2022, , .	0.4	0
6	Enhancement of structural and mechanical properties of magnesium oxychloride cement due to graphene addition. AIP Conference Proceedings, 2022, , .	0.4	0
7	Graphene-Reinforced Carbon-Bonded Coarse-Grained Refractories. Materials, 2022, 15, 186.	2.9	3
8	Assessment of wood chips ash as efficient admixture in foamed glass-MOC composites. Journal of Materials Research and Technology, 2022, 19, 2287-2300.	5.8	4
9	The effective synthesis of large volumes of the ultrafine BaZrO3 nanoparticles. Materials Chemistry and Physics, 2021, 259, 124047.	4.0	2
10	Magnesium Oxychloride Cement Composites with MWCNT for the Construction Applications. Materials, 2021, 14, 484.	2.9	13
11	Foam Glass Lightened Sorelâ€™s Cement Composites Doped with Coal Fly Ash. Materials, 2021, 14, 1103.	2.9	8
12	High-performance magnesium oxychloride composites with silica sand and diatomite. Journal of Materials Research and Technology, 2021, 11, 957-969.	5.8	27
13	MOC Doped with Graphene Nanoplatelets: The Influence of the Mixture Preparation Technology on Its Properties. Materials, 2021, 14, 1450.	2.9	17
14	Regolith-based magnesium oxychloride composites doped by graphene: Novel high-performance building materials for lunar constructions. FlatChem, 2021, 26, 100234.	5.6	10
15	Lightweight Vapor-Permeable Plasters for Building Repair Detailed Experimental Analysis of the Functional Properties. Materials, 2021, 14, 2613.	2.9	7
16	Zeolite Lightweight Repair Renders: Effect of Binder Type on Properties and Salt Crystallization Resistance. Materials, 2021, 14, 3760.	2.9	8
17	Transport Coefficients in Y-Ba-Cu-O System for Ionized Jet Deposition Method. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-3.	1.7	1
18	MOC-Diatomite Composites Filled with Multi-Walled Carbon Nanotubes. Materials, 2021, 14, 4576.	2.9	5

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19	Influence of RE-Based Liquid Source (RE = Sm, Gd, Dy, Y, Yb) on EuBCO/Ag Superconducting Bulks. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	1
20	Effect of Target Density on the Surface Morphology of Y-Ba-Cu-O Thin Films Prepared by Ionized Jet Deposition. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	3
21	Magnesium oxychloride-graphene composites: Towards high strength and water resistant materials for construction industry. FlatChem, 2021, 29, 100284.	5.6	21
22	The influence of graphene specific surface on material properties of MOC-based composites for construction use. Journal of Building Engineering, 2021, 43, 103193.	3.4	1
23	High-density YBCO targets for sputtering with defect-free microstructure prepared by novel infiltration method. Journal of the European Ceramic Society, 2021, 41, 7077-7084.	5.7	0
24	Synthesis of nanosized LaFeAl11O19 hexaaluminate by mixed metal glycerolate method. Ceramics International, 2021, 47, 29653-29659.	4.8	2
25	Texture of the Freshwater Shells from the Unionidae Family Collected in the Czech Republic Investigated by X-ray and Neutron Diffraction. Crystals, 2021, 11, 1483.	2.2	4
26	Filter Coatings Based on Combination of Nanomaterials for Steel Melt Filtration. Advanced Engineering Materials, 2020, 22, 1900457.	3.5	9
27	Flame aerosol transport method for assembling CeO2â€“SiO2 nanocomposites. Ceramics International, 2020, 46, 5495-5499.	4.8	2
28	Hydrotalcites in Construction Materials. Applied Sciences (Switzerland), 2020, 10, 7989.	2.5	11
29	Low-Carbon Composite Based on MOC, Silica Sand and Ground Porcelain Insulator Waste. Processes, 2020, 8, 829.	2.8	19
30	Towards novel building materials: High-strength nanocomposites based on graphene, graphite oxide and magnesium oxychloride. Applied Materials Today, 2020, 20, 100766.	4.3	24
31	The Effect of Nanosizing on the Oxidation of Partially Oxidized Copper Nanoparticles. Materials, 2020, 13, 2878.	2.9	10
32	Nanosized Pinning Centers in the Rare Earth-Barium-Copper-Oxide Thin-Film Superconductors. Nanomaterials, 2020, 10, 1429.	4.1	12
33	Phase-stable segmentation of BSCCO high-temperature superconductor into micro-, meso-, and nano-size fractions. Journal of Materials Research and Technology, 2020, 9, 12071-12079.	5.8	3
34	Synthesis and Characterization of the Properties of Ceria Nanoparticles with Tunable Particle Size for the Decomposition of Chlorinated Pesticides. Applied Sciences (Switzerland), 2020, 10, 5224.	2.5	3
35	The Impact of Graphene and Diatomite Admixtures on the Performance and Properties of High-Performance Magnesium Oxychloride Cement Composites. Materials, 2020, 13, 5708.	2.9	8
36	Magnesium Oxychloride Cement Composites Lightened with Granulated Scrap Tires and Expanded Glass. Materials, 2020, 13, 4828.	2.9	13

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37	Magnesium Oxychloride Cement Composites with Silica Filler and Coal Fly Ash Admixture. Materials, 2020, 13, 2537.	2.9	16
38	Magnesium Oxybromides MOB-318 and MOB-518: Brominated Analogues of Magnesium Oxychlorides. Applied Sciences (Switzerland), 2020, 10, 4032.	2.5	3
39	Artificially perforated singleâ€grain YBCO bulks: Dependence of superconducting properties on the bulk thickness. Journal of the American Ceramic Society, 2020, 103, 5169-5177.	3.8	9
40	Thermal Stability and Kinetics of Formation of Magnesium Oxychloride Phase 3Mg(OH)2â^™MgCl2â^™8H2O. Materials, 2020, 13, 767.	2.9	28
41	Carbon Dioxide Uptake by MOC-Based Materials. Applied Sciences (Switzerland), 2020, 10, 2254.	2.5	40
42	Carbon-Bonded Alumina Filters Coated by Graphene Oxide for Water Treatment. Materials, 2020, 13, 2006.	2.9	3
43	Synthesis, Structure, and Thermal Stability of Magnesium Oxychloride 5Mg(OH)2â^™MgCl2â^™8H2O. Applied Sciences (Switzerland), 2020, 10, 1683.	2.5	40
44	Synthesis and characterization of magnesium oxybromide Mg2(OH)3BrÂ·4 H2O. AIP Conference Proceedings, 2020, , .	0.4	0
45	Variability in levitation properties of YBCO bulks grown in one batch. AIP Conference Proceedings, 2020, , .	0.4	1
46	Simple synthesis of nanostructured BaZrO3 and its use in superconducting composites. AIP Conference Proceedings, 2020, , .	0.4	0
47	Immobilization of ceria nanoparticles by formation of CeO2/SiO2 composites. AIP Conference Proceedings, 2020, , .	0.4	0
48	Thermal stability and kinetics of formation of Mg3(OH)5ClÂ·4 H2O. AIP Conference Proceedings, 2020, , .	0.4	0
49	SPS of YBCO precursor for the top-seeded melt growth. AIP Conference Proceedings, 2020, , .	0.4	0
50	Influence of Wood-Based Biomass Ash Admixing on the Structural, Mechanical, Hygric, and Thermal Properties of Air Lime Mortars. Materials, 2019, 12, 2227.	2.9	19
51	Kinetic sorption in the transport of species in a cement based composite. AIP Conference Proceedings, 2019, , .	0.4	0
52	Synthesis, Composition, and Properties of Partially Oxidized Graphite Oxides. Materials, 2019, 12, 2367.	2.9	10
53	Size and Shape-Dependent Solubility of CuO Nanostructures. Materials, 2019, 12, 3355.	2.9	22
54	Synthesis and characterization of ceria nanoparticles. AIP Conference Proceedings, 2019, , .	0.4	0

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55	Heat capacity and thermal stability of Y2BaCuO5. AIP Conference Proceedings, 2019, , .	0.4	1
56	Eco-friendly concrete with scrap-tyre-rubber-based aggregate â€“ Properties and thermal stability. Construction and Building Materials, 2019, 225, 709-722.	7.2	81
57	Effect of a varying moisture diffusivity in the transport of gadolinium in a porous material. AIP Conference Proceedings, 2019, , .	0.4	0
58	Complex Characterization and Behavior of Waste Fired Brick Powder-Portland Cement System. Materials, 2019, 12, 1650.	2.9	57
59	Ternary Blended Binder for Production of a Novel Type of Lightweight Repair Mortar. Materials, 2019, 12, 996.	2.9	34
60	Electro-optic glass for light modulators. Journal of Non-Crystalline Solids, 2019, 518, 51-56.	3.1	4
61	LaMgAl11O19 synthesis using non-hydrolytic sol-gel methods. Ceramics International, 2019, 45, 11233-11240.	4.8	8
62	Influence of Waste Plastic Aggregate and Water-Repellent Additive on the Properties of Lightweight Magnesium Oxychloride Cement Composite. Applied Sciences (Switzerland), 2019, 9, 5463.	2.5	20
63	Fast synthesis of highly-oxidized graphene oxide by two-step oxidation process. AIP Conference Proceedings, 2019, , .	0.4	2
64	Thermodynamic modeling of copper nanoparticles oxidation. AIP Conference Proceedings, 2019, , .	0.4	3
65	Kinetics of formation and thermal stability of Mg2(OH)3ClÂ·4H2O. AIP Conference Proceedings, 2019, , .	0.4	3
66	Microscale and nanoscale pinning centres in single-domain REBCO superconductors. Journal of Materials Chemistry C, 2019, 7, 13010-13019.	5.5	14
67	Thermodynamic Properties of Stoichiometric Non-Superconducting Phase Y2BaCuO5. Materials, 2019, 12, 3163.	2.9	1
68	Cost-effective isothermal top-seeded melt-growth of single-domain YBCO superconducting ceramics. Solid State Sciences, 2019, 88, 74-80.	3.2	15
69	WOOD CHIPS ASH PROCESSING AND ITS UTILIZATION IN MAGNESIUM PHOSPHATE CEMENT COMPOSITES. Ceramics - Silikaty, 2019, , 267-276.	0.3	6
70	Synthesis and properties of YBa2Cu3O7-Î´ â€“ Y2Ba4CuWO10.8 superconducting composites. Journal of the European Ceramic Society, 2018, 38, 2541-2546.	5.7	20
71	Preparation of polymeric coatings by ionized jet deposition method. Chemical Papers, 2018, 72, 1735-1739.	2.2	14
72	Hydrogenation of Fluorographite and Fluorographene: An Easy Way to Produce Highly Hydrogenated Graphene. Chemistry - A European Journal, 2018, 24, 8350-8360.	3.3	6

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73	Biomass ash-based mineral admixture prepared from municipal sewage sludge and its application in cement composites. Clean Technologies and Environmental Policy, 2018, 20, 159-171.	4.1	47
74	Effect of heat treatment conditions on magnesium borate fibers prepared via electrospinning. Journal of the European Ceramic Society, 2018, 38, 4109-4117.	5.7	9
75	Production of pure amorphous silica from wheat straw ash. Green Materials, 2018, 6, 1-5.	2.1	16
76	Phase equilibria modelling in Biâ€“Srâ€“Coâ€“O systemâ€”Towards crystal growth and melt-assisted material processing. Journal of the European Ceramic Society, 2018, 38, 131-135.	5.7	4
77	Physical and chemical characterization of technogenic pozzolans for the application in blended cements. Construction and Building Materials, 2018, 160, 106-116.	7.2	55
78	Thermodynamic properties of nanostructured ZnO. Applied Materials Today, 2018, 10, 1-11.	4.3	26
79	Thermal decomposition of lactates: Towards ultrafine nanostrucured oxides. AIP Conference Proceedings, 2018, , .	0.4	1
80	Fine fluorite nanoparticles synthesized from biomass ash. Journal of Fluorine Chemistry, 2018, 216, 112-117.	1.7	0
81	Valorization of wood chips ash as an eco-friendly mineral admixture in mortar mix design. Waste Management, 2018, 80, 89-100.	7.4	63
82	Effect of ZnO nanosizing on its solubility in aqueous media. Micro and Nano Letters, 2018, 13, 1585-1589.	1.3	1
83	Heat capacity and thermal stability of YBa2Cu3O7. AIP Conference Proceedings, 2018, , .	0.4	0
84	Synthesis and Properties of Nanosized Stoichiometric Cobalt Ferrite Spinel. Materials, 2018, 11, 1241.	2.9	38
85	Petrophysical record of evolution of weakly deformed low-porosity limestone revealed by small-angle neutron scattering, neutron diffraction and AMS study. Geophysical Journal International, 2018, 215, 895-908.	2.4	1
86	Experimental Analysis of MOC Composite with a Waste-Expanded Polypropylene-Based Aggregate. Materials, 2018, 11, 931.	2.9	33
87	Synthesis of YBCO - Y-2411-M (M=Bi, Mo, Nb, Ta, Ti and Zr) superconducting composites by TSMG. AIP Conference Proceedings, 2018, , .	0.4	2
88	Nano-functionalization of carbon-bonded alumina using graphene oxide and MWCNTs. Journal of the European Ceramic Society, 2018, 38, 4732-4738.	5.7	12
89	Synthesis and properties of phosphorus and sulfur co-doped graphene. New Journal of Chemistry, 2018, 42, 16093-16102.	2.8	6
90	Unique wettability phenomenon of carbon-bonded alumina with advanced nanocoating. Applied Materials Today, 2018, 13, 24-31.	4.3	11

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91	Fast synthesis of graphite oxide via modified chlorate route. AIP Conference Proceedings, 2018, , .	0.4	0
92	Chemical composition, thermal analysis and pozzolanic activity of biomass ash from Miscanthus. AIP Conference Proceedings, 2018, , .	0.4	1
93	Mixed Yttriumâ€“Ytterbiumâ€“Erbium Schiff Base Complex as a Model Precursor for Mixed Nanosized Rare Earths Oxides. Journal of Cluster Science, 2018, 29, 549-553.	3.3	0
94	Structural, mechanical and hygrothermal properties of lightweight concrete based on the application of waste plastics. Construction and Building Materials, 2018, 180, 1-11.	7.2	95
95	LIGHTWEIGHT CONCRETE MADE WITH WASTE EXPANDED POLYPROPYLENE-BASED AGGREGATE AND SYNTHETIC COAGULATED AMORPHOUS SILICA. Ceramics - Silikaty, 2018, , 221-232.	0.3	13
96	THE EFFECT OF THE SODIUM SULPHATE SOLUTION EXPOSURE ON PROPERTIES AND MECHANICAL RESISTANCE OF DIFFERENT KINDS OF RENDERS. Ceramics - Silikaty, 2018, , 311-324.	0.3	3
97	Facile preparation of nanosized yttrium oxide by the thermal decomposition of amorphous Schiff base yttrium complex precursor. Journal of Organometallic Chemistry, 2017, 830, 146-149.	1.8	10
98	Concentration of Nitric Acid Strongly Influences Chemical Composition of Graphite Oxide. Chemistry - A European Journal, 2017, 23, 6432-6440.	3.3	24
99	Facile synthesis of magnetic Co nanofoam by lowâ€temperature thermal decomposition of Co glycerolate. Micro and Nano Letters, 2017, 12, 278-280.	1.3	6
100	Preparation of manganese oxide nanoparticles by thermal decomposition of nanostructured manganese carbonate. Chemical Papers, 2017, 71, 1031-1035.	2.2	12
101	Simple synthesis of free surface nanostructured spinel NiFe2O4 with a tunable particle size. Journal of Alloys and Compounds, 2017, 723, 58-63.	5.5	13
102	Selective Bromination of Graphene Oxide by the Hunsdiecker Reaction. Chemistry - A European Journal, 2017, 23, 10473-10479.	3.3	21
103	Tuning of graphene oxide composition by multiple oxidations for carbon dioxide storage and capture of toxic metals. Journal of Materials Chemistry A, 2017, 5, 2739-2748.	10.3	87
104	Fast Synthesis of Highly Oxidized Graphene Oxide. ChemistrySelect, 2017, 2, 9000-9006.	1.5	29
105	Thermodynamic properties of misfit cobaltite [Bi2-xCa2O4][CoO2]1.7. Thermochimica Acta, 2017, 656, 129-134.	2.7	4
106	Thermal properties of graphite oxide, thermally reduced graphene and chemically reduced graphene. AIP Conference Proceedings, 2017, , .	0.4	5
107	Chemical and thermal analysis of biomass ash from wooden chips and wheat straw combustion. AIP Conference Proceedings, 2017, , .	0.4	2
108	Introduction of sulfur to graphene oxide by Friedel-Crafts reaction. FlatChem, 2017, 6, 28-36.	5.6	7

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109	STUDY ON POZZOLANA ACTIVITY OF WHEAT STRAW ASH AS POTENTIAL ADMIXTURE FOR BLENDED CEMENTS. Ceramics - Silikaty, 2017, , 327-339.	0.3	30
110	POZZOLANA ACTIVE WHEAT STRAW ASH AS ADMIXTURE FOR CEMENT-BASED CONSTRUCTION MATERIALS. , 2017, , .		0
111	Toward graphene chloride: chlorination of graphene and graphene oxide. RSC Advances, 2016, 6, 66884-66892.	3.6	56
112	Partially Hydrogenated Graphene Materials Exhibit High Electrocatalytic Activities Related to Unintentional Doping with Metallic Impurities. Chemistry - A European Journal, 2016, 22, 8627-8634.	3.3	11
113	Thermodynamic properties of stoichiometric lithium cobaltite LiCoO2. Thermochimica Acta, 2016, 634, 26-30.	2.7	19
114	Synthesis, structure, thermal, transport and magnetic properties of VN ceramics. Ceramics International, 2016, 42, 18779-18784.	4.8	16
115	Solâ€“gel-derived planar waveguides of Er3+:Yb3Al5O12 prepared by a polyvinylpyrrolidone-based method. Journal of Sol-Gel Science and Technology, 2016, 80, 531-537.	2.4	6
116	Graphene Oxide Sorption Capacity toward Elements over the Whole Periodic Table: A Comparative Study. Journal of Physical Chemistry C, 2016, 120, 24203-24212.	3.1	56
117	Reducing emission of carcinogenic by-products in the production of thermally reduced graphene oxide. Green Chemistry, 2016, 18, 6618-6629.	9.0	11
118	Synthesis of Graphene Oxide by Oxidation of Graphite with Ferrate(VI) Compounds: Myth or Reality?. Angewandte Chemie, 2016, 128, 12144-12148.	2.0	23
119	Synthesis of Graphene Oxide by Oxidation of Graphite with Ferrate(VI) Compounds: Myth or Reality?. Angewandte Chemie - International Edition, 2016, 55, 11965-11969.	13.8	25
120	Synthesis procedure and type of graphite oxide strongly influence resulting graphene properties. Applied Materials Today, 2016, 4, 45-53.	4.3	87
121	A New Member of the Graphene Family: Graphene Acid. Chemistry - A European Journal, 2016, 22, 17416-17424.	3.3	44
122	Simple Synthesis of Fluorinated Graphene: Thermal Exfoliation of Fluorographite. Chemistry - A European Journal, 2016, 22, 17696-17703.	3.3	26
123	Ultrafine ferromagnetic iron oxide nanoparticles: Facile synthesis by low temperature decomposition of iron glycerolate. Materials Chemistry and Physics, 2016, 180, 272-278.	4.0	18
124	Nanosized graphane (C₁H_{1.14})_n by hydrogenation of carbon nanofibers by Birch reduction method. RSC Advances, 2016, 6, 6475-6485.	3.6	30
125	Origin of exotic ferromagnetic behavior in exfoliated layered transition metal dichalcogenides MoS₂and WS₂. Nanoscale, 2016, 8, 1960-1967.	5.6	56
126	PREPARATION OF PUZZOLANA ACTIVE TWO COMPONENT COMPOSITE FOR LATENT HEAT STORAGE. Ceramics - Silikaty, 2016, , 291-298.	0.3	5

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127	Mesomeric Effects of Graphene Modified with Diazonium Salts: Substituent Type and Position Influence its Properties. Chemistry - A European Journal, 2015, 21, 17728-17738.	3.3	26
128	Definitive Insight into the Graphite Oxide Reduction Mechanism by Deuterium Labeling. ChemPlusChem, 2015, 80, 1399-1407.	2.8	19
129	Definitive proof of graphene hydrogenation by Clemmensen reduction: use of deuterium labeling. Nanoscale, 2015, 7, 10535-10543.	5.6	15
130	Phase equilibria in the Bi-Sr-Co-O system: Towards the material tailoring of thermoelectric cobaltites. Journal of the European Ceramic Society, 2015, 35, 3005-3012.	5.7	6
131	Misfitâ€Layered Bi_{1.85}Sr₂Co_{1.85}O_{7.7â^'Î´} for the Hydrogen Evolution Reaction: Beyond van der Waals Heterostructures. ChemPhysChem, 2015, 16, 769-774.	2.1	10
132	Thermodynamic properties of tubular cobaltite Bi3.7Sr11.4Co8O29â^'Î´. Thermochimica Acta, 2015, 605, 22-27.	2.7	5
133	Synthesis of Strongly Fluorescent Graphene Quantum Dots by Cage-Opening Buckminsterfullerene. ACS Nano, 2015, 9, 2548-2555.	14.6	248
134	Tuning of fluorine content in graphene: towards large-scale production of stoichiometric fluorographene. Nanoscale, 2015, 7, 13646-13655.	5.6	153
135	Use of deuterium labellingâ€"evidence of graphene hydrogenation by reduction of graphite oxide using aluminium in sodium hydroxide. RSC Advances, 2015, 5, 18733-18739.	3.6	14
136	Insight into the Mechanism of the Thermal Reduction of Graphite Oxide: Deuterium-Labeled Graphite Oxide Is the Key. ACS Nano, 2015, 9, 5478-5485.	14.6	46
137	Highly selective removal of Ga 3+ ions from Al 3+ /Ga 3+ mixtures using graphite oxide. Carbon, 2015, 89, 121-129.	10.3	36
138	High temperature superconducting materials as bi-functional catalysts for hydrogen evolution and oxygen reduction. Journal of Materials Chemistry A, 2015, 3, 8346-8352.	10.3	25
139	Heat capacity, entropy, oxygen non-stoichiometry and magnetic properties of cobalt sillenite Bi24Co2O39â^'. Thermochimica Acta, 2015, 619, 26-31.	2.7	5
140	Separation of thorium ions from wolframite and scandium concentrates using graphene oxide. Physical Chemistry Chemical Physics, 2015, 17, 25272-25277.	2.8	25
141	Electrochemical properties of layered SnO and PbO for energy applications. RSC Advances, 2015, 5, 101949-101958.	3.6	11
142	Simple synthesis of Cr2O3 nanoparticles with a tunable particle size. Ceramics International, 2015, 41, 4644-4650.	4.8	20
143	Structure, oxygen non-stoichiometry and thermal properties of (Bi0.4Sr0.6)Sr2CoO5â€"Î´. Thermochimica Acta, 2015, 600, 89-94.	2.7	9
144	Phase diagram of the Srâ€"Coâ€"O system. Journal of the European Ceramic Society, 2015, 35, 935-940.	5.7	26

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145	Synthesis of MnO, Mn2O3 and Mn3O4 nanocrystal clusters by thermal decomposition of manganese glycerolate. Ceramics International, 2015, 41, 595-601.	4.8	43
146	Towards graphene iodide: iodination of graphite oxide. Nanoscale, 2015, 7, 261-270.	5.6	54
147	Phase equilibria in the Znâ€“Mnâ€“O system. Journal of the European Ceramic Society, 2015, 35, 555-560.	5.7	10
148	Graphene: Oxygen-Free Highly Conductive Graphene Papers (Adv. Funct. Mater. 31/2014). Advanced Functional Materials, 2014, 24, 4877-4877.	14.9	4
149	Synthesis of InN nanoparticles by rapid thermal ammonolysis. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	2
150	Oxygen non-stoichiometry and thermodynamic properties of Bi2Sr2CoO6+Î´ ceramics. Journal of the European Ceramic Society, 2014, 34, 1219-1225.	5.7	12
151	Structure, non-stoichiometry and thermodynamic properties of Bi1.85Sr2Co1.85O7.7â˜’ ceramics. Thermochimica Acta, 2014, 582, 40-45.	2.7	25
152	CoO and Co3O4 nanoparticles with a tunable particle size. Ceramics International, 2014, 40, 12591-12595.	4.8	47
153	Water-soluble highly fluorinated graphite oxide. RSC Advances, 2014, 4, 1378-1387.	3.6	69
154	Oxygenâ€Free Highly Conductive Graphene Papers. Advanced Functional Materials, 2014, 24, 4878-4885.	14.9	42
155	Highly hydrogenated graphene via active hydrogen reduction of graphene oxide in the aqueous phase at room temperature. Nanoscale, 2014, 6, 2153-2160.	5.6	49
156	Carbon fragments are ripped off from graphite oxide sheets during their thermal reduction. New Journal of Chemistry, 2014, 38, 5700-5705.	2.8	37
157	Synthesis, magnetic and transport properties of oxygen-free CrN ceramics. Journal of the European Ceramic Society, 2014, 34, 4131-4136.	5.7	19
158	Neutron diffraction as a precise and reliable method for obtaining structural properties of bulk quantities of graphene. Nanoscale, 2014, 6, 13082-13089.	5.6	38
159	Alternating Misfit Layered Transition/Alkaline Earth Metal Chalcogenide Ca₃Co₄O₉ as a New Class of Chalcogenide Materials for Hydrogen Evolution. Chemistry of Materials, 2014, 26, 4130-4136.	6.7	68
160	Infrared luminescence in Er3+:Yb3Al5O12 bulk ceramics prepared by solâ€“gel method. Journal of the European Ceramic Society, 2014, 34, 3779-3782.	5.7	12
161	Towards graphene bromide: bromination of graphite oxide. Nanoscale, 2014, 6, 6065-6074.	5.6	109
162	Uranium- and Thorium-Doped Graphene for Efficient Oxygen and Hydrogen Peroxide Reduction. ACS Nano, 2014, 8, 7106-7114.	14.6	73

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163	Heat capacity, enthalpy and entropy of Sr14Co11O33 and Sr6Co5O15. Thermochimica Acta, 2014, 575, 167-172.	2.7	16
164	Towards highly electrically conductive and thermally insulating graphene nanocomposites: Al₂O₃â€“graphene. RSC Advances, 2014, 4, 7418-7424.	3.6	50
165	Vacuum-assisted microwave reduction/exfoliation of graphite oxide and the influence of precursor graphite oxide. Carbon, 2014, 77, 508-517.	10.3	61
166	Rapid thermal synthesis of GaN nanocrystals and nanodisks. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	4
167	Phase diagram of the pseudobinary system Biâ€“Coâ€“O. Journal of the European Ceramic Society, 2013, 33, 2699-2704.	5.7	23
168	Slumping of Si wafers at high temperature. Proceedings of SPIE, 2013, , .	0.8	3
169	Magnetic and magnetotransport properties of misfit cobaltate Ca3Co3.93O9+Î´. Journal of Applied Physics, 2012, 111, .	2.5	17
170	Porous alumina and zirconia ceramics with tailored thermal conductivity. Journal of Physics: Conference Series, 2012, 395, 012022.	0.4	18
171	Phase equilibria in Caâ€“Coâ€“O system. Journal of Solid State Chemistry, 2012, 194, 199-205.	2.9	91
172	MOC Cement-Based Composites with Silica Filler and Wood Chips Ash Admixture. IOP Conference Series: Materials Science and Engineering, 0, 960, 022081.	0.6	1
173	Influence of Graphite Oxide Addition on the Properties of Magnesium Oxychloride Cement Composites. IOP Conference Series: Materials Science and Engineering, 0, 960, 022080.	0.6	1