

# Konstantin Konstantinov

## List of Publications by Year in descending order

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186  
papers

9,830  
citations

34105

52  
h-index

38395

95  
g-index

189  
all docs

189  
docs citations

189  
times ranked

12838  
citing authors

#	ARTICLE	IF	CITATIONS
1	The dynamic behaviour of sunscreens under in-service conditions.. Journal of Photochemistry and Photobiology B: Biology, 2022, 230, 112435.	3.8	0
2	Microenvironmental Behaviour of Nanotheranostic Systems for Controlled Oxidative Stress and Cancer Treatment. Nanomaterials, 2022, 12, 2462.	4.1	3
3	Nanoarchitectonics of (110) directed polyethylene glycol stabilized cerium nanoparticles for UV filtering applications. Journal of Materials Science, 2022, 57, 12848-12864.	3.7	0
4	Attenuation of UV absorption by poly(lactic acid)-iron oxide nanocomposite particles and their potential application in sunscreens. Chemical Engineering Journal, 2021, 405, 126843.	12.7	20
5	Research Progress and Future Perspectives on Rechargeable Na <sup>+</sup> and Na <sup>+</sup> Batteries. Energy and Environmental Materials, 2021, 4, 158-177.	12.8	25
6	Li <sub>2</sub> S-Based Li-Ion Sulfur Batteries: Progress and Prospects. Small, 2021, 17, e1903934.	10.0	41
7	Theranostic two-dimensional superparamagnetic maghemite quantum structures for ROS-mediated cancer therapy. Journal of Materials Chemistry B, 2021, 9, 5805-5817.	5.8	3
8	Significant Reduction in Thermal Conductivity and Improved Thermopower of Electron-Doped Ba <sub>1-x</sub> La <sub>x</sub> TiO <sub>3</sub> with Nanostructured Rectangular Pores. Advanced Electronic Materials, 2021, 7, 2001044.	5.1	1
9	First extensive study of silver-doped lanthanum manganite nanoparticles for inducing selective chemotherapy and radio-toxicity enhancement. Materials Science and Engineering C, 2021, 123, 111970.	7.3	7
10	Defect-Rich La <sub>2</sub> O <sub>3</sub> Nanoparticles with Antioxidant Activity for Human Keratinocytes. ACS Applied Nano Materials, 2021, 4, 6345-6356.	5.0	5
11	Understanding the Effects of the Low-Concentration Electrolyte on the Performance of High-Energy-Density Li <sup>+</sup> S Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28405-28414.	8.0	19
12	Oxi-Redox Selective Breast Cancer Treatment: An In Vitro Study of Theranostic In-Based Oxide Nanoparticles for Controlled Generation or Prevention of Oxidative Stress. ACS Applied Materials & Interfaces, 2021, 13, 2204-2217.	8.0	6
13	The Dual Functions of Defect-Rich Carbon Nanotubes as Both Conductive Matrix and Efficient Mediator for Li <sup>+</sup> S Batteries. Small, 2021, 17, e2103535.	10.0	23
14	Na-doped ZnO UV filters with reduced photocatalytic activity for sunscreen applications. Journal of Materials Science, 2020, 55, 2772-2786.	3.7	19
15	Investigation of ROS scavenging properties and in vitro cytotoxicity of oxygen-deficient La <sub>2</sub> O <sub>3-x</sub> nanostructure synthesized by spray pyrolysis method. Journal of Nanostructure in Chemistry, 2020, 10, 347-361.	9.1	19
16	Alkali-Metal Sulfide as Cathodes toward Safe and High-Capacity Metal (M = Li, Na, K) Sulfur Batteries. Advanced Energy Materials, 2020, 10, 2001764.	19.5	29
17	Nanostructured CoS <sub>2</sub> -Decorated Hollow Carbon Spheres: A Performance Booster for Li-Ion/Sulfur Batteries. ACS Applied Energy Materials, 2020, 3, 6447-6459.	5.1	17
18	ZnO/CeO <sub>2</sub> nanocomposite with low photocatalytic activity as efficient UV filters. Journal of Materials Science, 2020, 55, 6834-6847.	3.7	31

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19	Development of CeO <sub>2</sub> nanodot encrusted TiO <sub>2</sub> nanoparticles with reduced photocatalytic activity and increased biocompatibility towards a human keratinocyte cell line. Journal of Materials Chemistry B, 2020, 8, 4016-4028.	5.8	17
20	Hydrothermal synthesis of rutile TiO <sub>2</sub> nanorods and their decoration with CeO <sub>2</sub> nanoparticles as low-photocatalytic active ingredients in UV filtering applications. Journal of Materials Science, 2020, 55, 8095-8108.	3.7	9
21	Y <sub>2</sub> O <sub>3</sub> decorated TiO <sub>2</sub> nanoparticles: Enhanced UV attenuation and suppressed photocatalytic activity with promise for cosmetic and sunscreen applications. Journal of Photochemistry and Photobiology B: Biology, 2020, 207, 111883.	3.8	16
22	Nano-sunscreens – a double-edged sword in protecting consumers from harm: viewing Australian regulatory policies through the lenses of the European Union. Critical Reviews in Toxicology, 2019, 49, 122-139.	3.9	12
23	Metal-Organic Framework (MOF)-Derived Nanoporous Carbon Materials. Chemistry - an Asian Journal, 2019, 14, 1331-1343.	3.3	123
24	Gram-Scale Synthesis of Bimetallic ZIFs and Their Thermal Conversion to Nanoporous Carbon Materials. Nanomaterials, 2019, 9, 1796.	4.1	13
25	Synthesis of methotrexate-loaded tantalum pentoxide-poly(acrylic acid) nanoparticles for controlled drug release applications. Journal of Colloid and Interface Science, 2019, 538, 286-296.	9.4	34
26	Suppression of the photocatalytic activity of TiO <sub>2</sub> nanoparticles encapsulated by chitosan through a spray-drying method with potential for use in sunblocking applications. Powder Technology, 2018, 329, 252-259.	4.2	32
27	Radiosensitisation enhancement effect of BrUdR and Ta <sub>2</sub> O <sub>5</sub> NSPs in combination with 5-Fluorouracil antimetabolite in kilovoltage and megavoltage radiation. Biomedical Physics and Engineering Express, 2018, 4, 034001.	1.2	4
28	Tubular TiO <sub>2</sub> Nanostructures: Toward Safer Microsupercapacitors. Advanced Materials Technologies, 2018, 3, 1700194.	5.8	9
29	Boosting potassium-ion batteries by few-layered composite anodes prepared via solution-triggered one-step shear exfoliation. Nature Communications, 2018, 9, 3645.	12.8	204
30	High toxicity of Bi(OH) <sub>3</sub> and Bi <sub>2</sub> O <sub>3</sub> nanoparticles towards malignant 9L and MCF-7 cells. Materials Science and Engineering C, 2018, 93, 958-967.	7.3	15
31	Biocompatible Bi(OH) <sub>3</sub> nanoparticles with reduced photocatalytic activity as possible ultraviolet filter in sunscreens. Materials Research Bulletin, 2018, 108, 130-141.	5.2	19
32	TiO <sub>2</sub> /(BiO) <sub>2</sub> CO <sub>3</sub> nanocomposites for ultraviolet filtration with reduced photocatalytic activity. Journal of Materials Chemistry C, 2018, 6, 5639-5650.	5.5	12
33	Tuning Wall Thicknesses in Mesoporous Silica Films for Optimization of Optical Anti-Reflective Properties. Journal of Nanoscience and Nanotechnology, 2018, 18, 100-103.	0.9	5
34	Three dimensional cellular architecture of sulfur doped graphene: self-standing electrode for flexible supercapacitors, lithium ion and sodium ion batteries. Journal of Materials Chemistry A, 2017, 5, 5290-5302.	10.3	118
35	Electrochemical biosensing strategies for DNA methylation analysis. Biosensors and Bioelectronics, 2017, 94, 63-73.	10.1	60
36	Synchrotron activation radiotherapy: Effects of dose-rate and energy spectra to tantalum oxide nanoparticles selective tumour cell radiosensitization enhancement. Journal of Physics: Conference Series, 2017, 777, 012011.	0.4	7

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37	Liquidâ€Crystalâ€Mediated 3D Macrostructured Composite of Co/Co <sub>3</sub> O <sub>4</sub> Embedded in Graphene: Freeâ€Standing Electrode for Efficient Water Splitting. Particle and Particle Systems Characterization, 2017, 34, 1600386.	2.3	14
38	A new energy storage system: Rechargeable potassium-selenium battery. Nano Energy, 2017, 35, 36-43.	16.0	168
39	An Allâ€Integrated Anode via Interlinked Chemical Bonding between Doubleâ€Shelledâ€Yolkâ€Structured Silicon and Binder for Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1703028.	21.0	238
40	Nanostructures, concentrations and energies: an ideal equation to extend therapeutic efficiency on radioresistant 9L tumor cells using $\text{Ta}_2\text{O}_5$ ceramic nanostructured particles. Biomedical Physics and Engineering Express, 2017, 3, 015018.	1.2	7
41	Local dose enhancement of proton therapy by ceramic oxide nanoparticles investigated with Geant4 simulations. Physica Medica, 2016, 32, 1584-1593.	0.7	28
42	First proof of bismuth oxide nanoparticles as efficient radiosensitisers on highly radioresistant cancer cells. Physica Medica, 2016, 32, 1444-1452.	0.7	61
43	A chemically modified graphene oxide wrapped porous hematite nano-architecture as a high rate lithium-ion battery anode material. RSC Advances, 2016, 6, 82698-82706.	3.6	12
44	Study of the effect of ceramic Ta <sub>2</sub> O <sub>5</sub> nanoparticle distribution on cellular dose enhancement in a kilovoltage photon field. Physica Medica, 2016, 32, 1216-1224.	0.7	22
45	Liquidâ€Crystalâ€Mediated Selfâ€Assembly of Porous $\text{Fe}_2\text{O}_3$ Nanorods on PEDOT:PSSâ€Functionalized Graphene as a Flexible Ternary Architecture for Capacitive Energy Storage. Particle and Particle Systems Characterization, 2016, 33, 27-37.	2.3	22
46	Ternary Porous Sulfur/Dual-Carbon Architectures for Lithium/Sulfur Batteries Obtained Continuously and on a Large Scale via an Industry-Oriented Spray-Pyrolysis/Sublimation Method. ACS Applied Materials & Interfaces, 2016, 8, 25251-25260.	8.0	15
47	Multifunctional Fe <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> nanocomposites for free radical scavenging ultraviolet protection. RSC Advances, 2016, 6, 65397-65402.	3.6	24
48	Optimizing dose enhancement with Ta <sub>2</sub> O <sub>5</sub> nanoparticles for synchrotron microbeam activated radiation therapy. Physica Medica, 2016, 32, 1852-1861.	0.7	21
49	Wearable energy-smart ribbons for synchronous energy harvest and storage. Nature Communications, 2016, 7, 13319.	12.8	147
50	Synthesis-Dependent Surface Defects and Morphology of Hematite Nanoparticles and Their Effect on Cytotoxicity in Vitro. ACS Applied Materials & Interfaces, 2016, 8, 5867-5876.	8.0	41
51	Titanium doped tin dioxide as potential UV filter with low photocatalytic activity for sunscreen products. Materials Letters, 2016, 171, 289-292.	2.6	19
52	Self-Assembled N/S Codoped Flexible Graphene Paper for High Performance Energy Storage and Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 2078-2087.	8.0	113
53	Indirect radio-chemo-beta therapy: a targeted approach to increase biological efficiency of x-rays based on energy. Physics in Medicine and Biology, 2015, 60, 7847-7859.	3.0	4
54	A Facile Synthesis of Highâ€Surfaceâ€Area Sulfurâ€Carbon Composites for Li/S Batteries. Chemistry - A European Journal, 2015, 21, 10061-10069.	3.3	20

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55	Sodium and Lithium Storage Properties of Spray-Dried Molybdenum Disulfide-Graphene Hierarchical Microspheres. <i>Scientific Reports</i> , 2015, 5, 11989.	3.3	58
56	Self-Assembled Multifunctional Hybrids: Toward Developing High-Performance Graphene-Based Architectures for Energy Storage Devices. <i>ACS Central Science</i> , 2015, 1, 206-216.	11.3	60
57	Ultra-fast synthesis and properties of high dielectric constant calcium copper titanate (CCT) ceramics synthesized by electric discharge assisted mechanical milling in oxygen and argon plasma. <i>Ceramics International</i> , 2015, 41, 9296-9300.	4.8	1
58	Nitrogen doped graphene via thermal treatment of composite solid precursors as a high performance supercapacitor. <i>RSC Advances</i> , 2015, 5, 30679-30686.	3.6	64
59	Split-half-tubular polypyrrole@sulfur@polypyrrole composite with a novel three-layer-3D structure as cathode for lithium/sulfur batteries. <i>Nano Energy</i> , 2015, 11, 587-599.	16.0	128
60	High di-electric constant nano-structure ceramics synthesis using novel electric discharge assisted mechanical milling and magneto ball milling and its properties. <i>International Journal of Nanotechnology</i> , 2014, 11, 728.	0.2	1
61	High- $\gamma$ Nanostructured Ceramics in Radiotherapy: First Evidence of Ta <sub>2</sub> O <sub>5</sub> -Induced Dose Enhancement on Radioresistant Cancer Cells in an MV Photon Field. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 500-505.	2.3	38
62	Liquid Crystalline Graphene Oxide/PEDOT:PSS Self-Assembled 3D Architecture for Binder-Free Supercapacitor Electrodes. <i>Frontiers in Energy Research</i> , 2014, 2, .	2.3	45
63	Formation and processability of liquid crystalline dispersions of graphene oxide. <i>Materials Horizons</i> , 2014, 1, 87-91.	12.2	113
64	Graphene oxide dispersions: tuning rheology to enable fabrication. <i>Materials Horizons</i> , 2014, 1, 326-331.	12.2	276
65	Liquid Crystalline Dispersions of Graphene-Oxide-Based Hybrids: A Practical Approach towards the Next Generation of 3D Isotropic Architectures for Energy Storage Applications. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 465-473.	2.3	20
66	Design of self-assembled TiO <sub>2</sub> architectures: Towards hybrid nanotubular interfaces. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 938-945.	1.8	4
67	Mass production of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> with a conductive network via in situ spray pyrolysis as a long cycle life, high rate anode material for lithium ion batteries. <i>RSC Advances</i> , 2014, 4, 38568-38574.	3.6	8
68	In situ engineering of urchin-like reduced graphene oxide@Mn <sub>2</sub> O <sub>3</sub> @Mn <sub>3</sub> O <sub>4</sub> nanostructures for supercapacitors. <i>RSC Advances</i> , 2014, 4, 886-892.	3.6	40
69	High performance pure sulfur honeycomb-like architectures synthesized by a cooperative self-assembly strategy for lithium-sulfur batteries. <i>RSC Advances</i> , 2014, 4, 36513-36516.	3.6	8
70	Synthesis of potential theranostic system consisting of methotrexate-immobilized (3-aminopropyl)trimethoxysilane coated $\pm$ -Bi <sub>2</sub> O <sub>3</sub> nanoparticles for cancer treatment. <i>RSC Advances</i> , 2014, 4, 24412.	3.6	38
71	Engineering of Bismuth Oxide Nanoparticles to Induce Differential Biochemical Activity in Malignant and Nonmalignant Cells. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 960-964.	2.3	14
72	Surface engineering of self-assembled TiO <sub>2</sub> nanotube arrays: A practical route towards energy storage applications. <i>Journal of Alloys and Compounds</i> , 2014, 586, 197-201.	5.5	23

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73	Highly porous hematite nanorods prepared via direct spray precipitation method. <i>Materials Letters</i> , 2014, 117, 279-282.	2.6	16
74	High-Performance Multifunctional Graphene Yarns: Toward Wearable All-Carbon Energy Storage Textiles. <i>ACS Nano</i> , 2014, 8, 2456-2466.	14.6	331
75	The effects of cerium doping on the size, morphology, and optical properties of $\gamma$ -hematite nanoparticles for ultraviolet filtration. <i>Materials Research Bulletin</i> , 2013, 48, 4521-4525.	5.2	20
76	Graphene Oxide: Scalable One-Step Wet-Spinning of Graphene Fibers and Yarns from Liquid Crystalline Dispersions of Graphene Oxide: Towards Multifunctional Textiles ( <i>Adv. Funct. Mater.</i> 43/2013). <i>Advanced Functional Materials</i> , 2013, 23, 5344-5344.	14.9	5
77	A significant improvement in both low- and high-field performance of MgB <sub>2</sub> superconductors through graphene oxide doping. <i>Scripta Materialia</i> , 2013, 69, 437-440.	5.2	22
78	Cerium oxide nanoparticles: influence of the high-Z component revealed on radioresistant 9L cell survival under X-ray irradiation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 1098-1105.	3.3	49
79	Organic Solvent-Based Graphene Oxide Liquid Crystals: A Facile Route toward the Next Generation of Self-Assembled Layer-by-Layer Multifunctional 3D Architectures. <i>ACS Nano</i> , 2013, 7, 3981-3990.	14.6	219
80	A Conductive Polypyrrole-Coated, Sulfur-Carbon Nanotube Composite for Use in Lithium-Sulfur Batteries. <i>ChemPlusChem</i> , 2013, 78, 318-324.	2.8	57
81	Scalable One-Step Wet-Spinning of Graphene Fibers and Yarns from Liquid Crystalline Dispersions of Graphene Oxide: Towards Multifunctional Textiles. <i>Advanced Functional Materials</i> , 2013, 23, 5345-5354.	14.9	354
82	Comparison of photoprotection efficiency and antiproliferative activity of ZnO commercial sunscreens and CeO <sub>2</sub> . <i>Materials Letters</i> , 2013, 108, 13-16.	2.6	22
83	CuS Nanoflakes, Microspheres, Microflowers, and Nanowires: Synthesis and Lithium Storage Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 1309-1316.	0.9	17
84	Band structure, magnetic, and transport properties of two dimensional compounds Sr <sub>2-x</sub> GdxCoO <sub>4</sub> . <i>Journal of Applied Physics</i> , 2013, 113, 17B522.	2.5	3
85	Rietveld Analysis of the Effect of Annealing Atmosphere on Phase Evolution of Nanocrystalline TiO <sub>2</sub> Powders. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4724-4728.	0.9	4
86	Density of states, magnetic and transport properties of Nd doped two dimensional perovskite compound Sr <sub>2</sub> CoO <sub>4</sub> . <i>Journal of Applied Physics</i> , 2012, 111, 07D708.	2.5	2
87	One-Step Spray Pyrolysis Synthesized CuO-Carbon Composite Combined with Carboxymethyl Cellulose Binder as Anode for Lithium-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1314-1317.	0.9	4
88	Rapid synthesis of functional oxides by electric discharge assisted mechanical milling method. <i>Journal of Alloys and Compounds</i> , 2012, 536, S3-S8.	5.5	7
89	Enhancement of the electrochemical capacitance of TiO <sub>2</sub> nanotube arrays through controlled phase transformation of anatase to rutile. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4770.	2.8	138
90	Enhanced Hydrogen Storage in Graphene Oxide-MWCNTs Composite at Room Temperature. <i>Advanced Energy Materials</i> , 2012, 2, 1439-1446.	19.5	97

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91	On the curve-fitting of XPS Ce(3d) spectra of cerium oxides by E. Paparazzo, Materials Research Bulletin 46 (2011) 323-326. Materials Research Bulletin, 2012, 47, 3941-3942.	5.2	2
92	Globular reduced graphene oxide-metal oxide structures for energy storage applications. Energy and Environmental Science, 2012, 5, 5236-5240.	30.8	69
93	Cerium oxide based particles as possible alternative to ZnO in sunscreens: Effect of the synthesis method on the photoprotection results. Materials Letters, 2012, 68, 357-360.	2.6	27
94	A highly ordered titania nanotube array as a supercapacitor electrode. Physical Chemistry Chemical Physics, 2011, 13, 5038.	2.8	188
95	Enhancement of the capacitance in TiO <sub>2</sub> nanotubes through controlled introduction of oxygen vacancies. Journal of Materials Chemistry, 2011, 21, 5128.	6.7	288
96	Comparison of GO, GO/MWCNTs composite and MWCNTs as potential electrode materials for supercapacitors. Energy and Environmental Science, 2011, 4, 1855.	30.8	414
97	Synthesis and Characterization of Fe Doped CeO <sub>2</sub> Nanoparticles for Pigmented Ultraviolet Filter Applications. Journal of Nanoscience and Nanotechnology, 2011, 11, 4019-4028.	0.9	18
98	Synthesis of Nano-Hematite for Possible Use in Sunscreens. Journal of Nanoscience and Nanotechnology, 2011, 11, 2413-2420.	0.9	12
99	Nanocrystalline NiO hollow spheres in conjunction with CMC for lithium-ion batteries. Journal of Applied Electrochemistry, 2010, 40, 1415-1419.	2.9	29
100	Application of nanostructured Ca doped CeO <sub>2</sub> for ultraviolet filtration. Materials Research Bulletin, 2010, 45, 527-535.	5.2	171
101	Growth and characteristics of ZnO nano-aggregates electrodeposited onto p-Si(111). Applied Surface Science, 2010, 257, 616-621.	6.1	8
102	Growth and characterization of thin ZnO films deposited on glass substrates by electrodeposition technique. Applied Surface Science, 2010, 256, 4114-4120.	6.1	18
103	High-surface-area $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> /carbon nanocomposite: one-step synthesis and its highly reversible and enhanced high-rate lithium storage properties. Journal of Materials Chemistry, 2010, 20, 2092.	6.7	228
104	Si-based anode materials for lithium rechargeable batteries. Journal of Materials Chemistry, 2010, 20, 10055.	6.7	120
105	Characterizing Physiology and Metabolism of High-Density CHO Cell Perfusion Cultures Using 2D-NMR Spectroscopy. , 2010, , 349-357.		0
106	Nanostructured Metal Oxides as Electrode Materials for Electrochemical Capacitors. Journal of Nanoscience and Nanotechnology, 2009, 9, 1263-1267.	0.9	7
107	The effect of carbon doping on the upper critical field ( $H_{c2}$ ) and resistivity of MgB <sub>2</sub> by using sucrose (C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> ) as the carbon source. Superconductor Science and Technology, 2009, 22, 015025.	3.5	14
108	Synthesis of nanosized vanadium pentoxide/carbon composites by spray pyrolysis for electrochemical capacitor application. Electrochimica Acta, 2009, 54, 1420-1425.	5.2	38



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109	Electrochemical Performance of Nanocrystalline SnO <sub>2</sub> -Carbon Nanotube Composites as Anode in Lithium-Ion Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1474-1478.	0.9	4
110	Synthesis of spherical porous vanadium pentoxide and its electrochemical properties. <i>Journal of Power Sources</i> , 2008, 184, 485-488.	7.8	66
111	Paper-like free-standing polypyrrole and polypyrrole-LiFePO <sub>4</sub> composite films for flexible and bendable rechargeable battery. <i>Electrochemistry Communications</i> , 2008, 10, 1781-1784.	4.7	86
112	Effect of ZrO <sub>2</sub> nucleant on crystallisation behaviour, microstructure and magnetic properties of BaO-Fe <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glass ceramics. <i>Ceramics International</i> , 2007, 33, 463-469.	4.8	11
113	Spray-pyrolyzed silicon/disordered carbon nanocomposites for lithium-ion battery anodes. <i>Journal of Power Sources</i> , 2007, 174, 823-827.	7.8	43
114	Synthesis and characterization of SnO <sub>2</sub> -polypyrrole composite for lithium-ion battery. <i>Journal of Power Sources</i> , 2007, 174, 1183-1187.	7.8	96
115	Effect of Boron powder purity on superconducting properties of bulk MgB <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 602-603.	1.2	9
116	Addition of Ca-compounds nanoparticles in melt-textured Bi:2212. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 1329-1330.	1.2	5
117	In-situ fabrication and characterisation of nanostructured Mn <sub>3</sub> O <sub>4</sub> powders for electronic and electrochemical applications. <i>Materials Letters</i> , 2007, 61, 3189-3192.	2.6	9
118	Synthesis and electrochemical properties of V <sub>2</sub> O <sub>5</sub> nanostructures prepared via a precipitation process for lithium-ion battery cathodes. <i>Journal of Power Sources</i> , 2007, 174, 1032-1035.	7.8	112
119	Preparation of spherical clusters of metal oxide nanorods and their hydrogen storage behavior. <i>Materials Letters</i> , 2006, 60, 3891-3894.	2.6	14
120	Spherical Clusters of NiO Nanoshafths for Lithium-Ion Battery Anodes. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A524.	2.2	92
121	Thermal stability and hydrogen storage property of Mg <sub>1.9</sub> Cu <sub>0.1</sub> Ni <sub>x</sub> (x=1.8, 1.9, 2.0 and 2.1) alloys. <i>Journal of Alloys and Compounds</i> , 2006, 426, 335-340.	5.5	4
122	In situ fabrication of spherical porous tin oxide via a spray pyrolysis technique. <i>Electrochimica Acta</i> , 2006, 51, 3680-3684.	5.2	19
123	Sulphur-polypyrrole composite positive electrode materials for rechargeable lithium batteries. <i>Electrochimica Acta</i> , 2006, 51, 4634-4638.	5.2	265
124	Nanostructured PbO materials obtained in situ by spray solution technique for Li-ion batteries. <i>Journal of Power Sources</i> , 2006, 159, 241-244.	7.8	48
125	Nano-structured spherical porous SnO <sub>2</sub> anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2006, 159, 345-348.	7.8	91
126	Synthesis of vanadium pentoxide powders with enhanced surface-area for electrochemical capacitors. <i>Journal of Power Sources</i> , 2006, 162, 1451-1454.	7.8	152



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127	Electrochemical and magnetic characterization of LiFePO <sub>4</sub> and Li <sub>0.95</sub> Mg <sub>0.05</sub> FePO <sub>4</sub> cathode materials. Journal of Solid State Electrochemistry, 2006, 11, 177-185.	2.5	31
128	Electrochemical hydrogen storage properties of nonstoichiometric amorphous MgNi <sub>1+x</sub> MgNi <sub>1-x</sub> carbon composites (x=0.05x=0.05~0.3). International Journal of Hydrogen Energy, 2006, 31, 2032-2039.	7.1	30
129	Highly Reversible Lithium Storage in Spheroidal Carbon-Coated Silicon Nanocomposites as Anodes for Lithium-Ion Batteries. Angewandte Chemie - International Edition, 2006, 45, 6896-6899.	13.8	656
130	Nanomaterials for Lithium-ion Rechargeable Batteries. Journal of Nanoscience and Nanotechnology, 2006, 6, 1-15.	0.9	127
131	Effect of boron powder purity on superconducting properties of MgB <sub>2</sub> . Superconductor Science and Technology, 2006, 19, 466-469.	3.5	48
132	Spray Pyrolyzed PbO-Carbon Nanocomposites as Anode for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2006, 153, A787.	2.9	58
133	Electro-Oxidation of Ethanol on Pt-WO <sub>3</sub> -C Electro catalyst. Electrochemical and Solid-State Letters, 2006, 9, A423.	2.2	49
134	Electrochemical Performance of Co <sub>3</sub> O <sub>4</sub> -C Composite Anode Materials. Electrochemical and Solid-State Letters, 2006, 9, A315.	2.2	122
135	Nano-structured SnO <sub>2</sub> -carbon composites obtained by in situ spray pyrolysis method as anodes in lithium batteries. Journal of Power Sources, 2005, 146, 180-184.	7.8	85
136	Physical and electrochemical properties of doped lithium iron phosphate electrodes. Electrochimica Acta, 2004, 50, 443-447.	5.2	106
137	New approach for synthesis of carbon-mixed LiFePO <sub>4</sub> cathode materials. Electrochimica Acta, 2004, 50, 421-426.	5.2	58
138	Preparation and properties of spherical LiNi <sub>0.75</sub> Co <sub>0.25</sub> O <sub>2</sub> as a cathode for lithium-ion batteries. Electrochimica Acta, 2004, 50, 435-441.	5.2	19
139	Conductivity improvements to spray-produced LiFePO <sub>4</sub> by addition of a carbon source. Materials Letters, 2004, 58, 1788-1791.	2.6	170
140	In-Situ Fabrication of Nanostructured Cobalt Oxide Powders by Spray Pyrolysis Technique. Journal of Nanoscience and Nanotechnology, 2004, 4, 861-866.	0.9	25
141	Synthesis and characterization of LiCo <sub>x</sub> Mn <sub>y</sub> Ni <sub>1-x-y</sub> O <sub>2</sub> as a cathode material for secondary lithium batteries. Journal of Power Sources, 2003, 119-121, 184-188.	7.8	70
142	Stoichiometry-controlled high-performance LiCoO <sub>2</sub> electrode materials prepared by a spray solution technique. Journal of Power Sources, 2003, 119-121, 195-200.	7.8	10
143	Preparation of orthorhombic LiMnO <sub>2</sub> material via the sol-gel process. Journal of Power Sources, 2003, 119-121, 221-225.	7.8	34
144	Zinc doping effects on the structure, transport and magnetic properties of La <sub>0.7</sub> Sr <sub>0.3</sub> Mn <sub>1-x</sub> Zn <sub>x</sub> O <sub>3</sub> manganite oxide. Science and Technology of Advanced Materials, 2003, 4, 149-152.	6.1	21

#	ARTICLE	IF	CITATIONS
145	Studies of the Electrochemical Properties of Nanosize $\text{Co}_3\text{O}_4$ Oxide as Anode Material for Lithium-Ion Batteries. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 625-628.	0.1	1
146	Fabrication and Properties of Spray-Dried Nanofeatured Spherical $\text{Ni}(\text{OH})_2$ Materials. Journal of Nanoscience and Nanotechnology, 2002, 2, 675-678.	0.9	3
147	Nanosize cobalt oxides as anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2002, 340, L5-L10.	5.5	90
148	Electrochemical properties of orthorhombic $\text{LiMnO}_2$ prepared by one-step middle-temperature solid-state reaction. Journal of Alloys and Compounds, 2002, 346, 255-259.	5.5	12
149	Study of structure, transport, paramagnetic and ferromagnetic properties of $\text{La}_{0.8}\text{Sr}_{0.2}\text{Mn}_{1-x}\text{Zn}_x\text{O}_3$ perovskite manganite. Superconductor Science and Technology, 2002, 15, 346-350.	3.5	17
150	Growths of $\text{MgB}_2$ thin films by pulsed laser deposition. Crystal Engineering, 2002, 5, 391-400.	0.7	2
151	Structural study of Al-substituted nickel hydroxide. Solid State Ionics, 2002, 148, 503-508.	2.7	38
152	Investigation of cobalt oxides as anode materials for Li-ion batteries. Journal of Power Sources, 2002, 109, 142-147.	7.8	182
153	Fabrication and Properties of Spray-Dried Nanofeatured Spherical $\text{Ni}(\text{OH})_2$ Materials. Journal of Nanoscience and Nanotechnology, 2002, 2, 675-678.	0.9	1
154	Flux jumping and a bulk-to-granular transition in the magnetization of a compacted and sintered $\text{MgB}_2$ superconductor. Physica C: Superconductivity and Its Applications, 2001, 361, 79-83.	1.2	67
155	Lanthanum doped $\text{SnO}_2$ and $\text{ZnO}$ thin films sensitive to ethanol and humidity. Materials Chemistry and Physics, 2000, 63, 104-108.	4.0	105
156	Preparation of ceria films by spray pyrolysis method. Solid State Sciences, 2000, 2, 277-280.	0.7	32
157	The effects of substitutions and type of substrates on the morphology of $\text{La}_{0.8}\text{A}_{0.2}\text{Cu}_{0.5}\text{Mn}_{0.5}\text{O}_3$ (A =) $\frac{1}{4}$ $\frac{0.784314}{4}$ $\frac{\text{rgBT}}{\text{K}}$	4.0	14
158	NO Sensitivity of Spinel Type $\text{Zn}_2\text{SnO}_4$ Spray Deposited Films. Physica Status Solidi A, 1998, 167, R11-R12.	1.7	19
159	Spray pyrolysis deposition of polycrystalline magnesia films and their use as buffer layers in $\text{Bi}(\text{Pb})\text{-Sr-Ca-Cu-O}/\text{MgO}/\text{Al}_2\text{O}_3$ (or glass ceramics) structures. Materials Letters, 1997, 30, 333-337.	2.6	6
160	Variations in the chemical composition of $\text{Bi}(\text{Pb})\text{-Sr-Ca-Cu-O}$ films deposited by spray pyrolysis method. Journal of Analytical and Applied Pyrolysis, 1997, 42, 89-94.	5.5	3
161	Spray Pyrolysis Preparation and Humidity Sensing Characteristics of Spinel Zinc Stannate Thin Films. Journal of Solid State Chemistry, 1997, 128, 305-309.	2.9	90
162	New $\text{LaCu}_{0.5}\text{Mn}_{0.5}\text{O}_3$ thin films deposited by the sol-gel process on different substrates. Thin Solid Films, 1996, 280, 112-114.	1.8	1

#	ARTICLE	IF	CITATIONS
163	The effect of Ca, Sr, and Ba substitutions on the morphology and electrical resistivity of $\text{La}_{1-x}\text{A}_x\text{CuO}_{0.5}\text{O}_3$ thin films. <i>Vacuum</i> , 1996, 47, 1239-1242.	3.5	1
164	Evaluation of the phase composition of BPSCCO bulk samples by XRD- and susceptibility analysis. <i>Applied Superconductivity</i> , 1996, 4, 185-190.	0.5	39
165	Influence of additives on the morphological, phase and chemical characteristics of gas sensitive $\text{SnO}_2$ sprayed films. <i>Journal of Materials Science</i> , 1996, 31, 6207-6213.	3.7	4
166	The effects of Cs addition and different sintering conditions on YBCO-123 superconductors made from precursor or commercial 123 powder. <i>Journal of Materials Science</i> , 1996, 31, 2987-2996.	3.7	1
167	The effect of the microstructure, phase and chemical composition on the humidity sensing characteristics of $\text{SnO}_2\text{-Fe}_2\text{O}_3$ spray deposited thin films using different iron salts. <i>Journal of Materials Science</i> , 1996, 31, 4261-4265.	3.7	3
168	Superconductivity at 103 K in $\text{CdBa}_2(\text{Ca}_{0.7}\text{Y}_{0.3})\text{Cu}_2\text{O}$ . <i>Journal of Superconductivity and Novel Magnetism</i> , 1995, 8, 329-331.	0.5	5
169	Determination of alkali metals in high-temperature Bi-containing superconductors by ICP-AES. <i>Fresenius' Journal of Analytical Chemistry</i> , 1995, 352, 605-607.	1.5	3
170	Application of the metallurgical route for synthesis of 110 K Bi-Pb(Sb)-Sr-Ca-Cu-O superconducting oxides. <i>Journal of Materials Research</i> , 1994, 9, 2764-2770.	2.6	1
171	$\text{PH}_3$ detection by $\text{SnO}_2\text{-ZrO}_2$ thin films. <i>Sensors and Actuators B: Chemical</i> , 1994, 21, 199-204.	7.8	5
172	Alkaline doped $\text{Bi}_{1-x}\text{Pb}_x(\text{Sb})_{1-y}\text{Sr}_y\text{Ca}_z\text{Cu}_{1-z}\text{O}$ superconducting materials. <i>Materials Letters</i> , 1994, 19, 297-300.	2.6	2
173	Effect of Bi and Sr concentrations on the formation of the 2223 phase in Bi-Pb-Sb-Sr-Ca-Cu-O materials, obtained under different conditions of thermal treatment. <i>Journal of Superconductivity and Novel Magnetism</i> , 1993, 6, 381-386.	0.5	0
174	Superconductivity in nearly single-phase Bi-Pb-Sr-Ca-Cu-O samples with different nominal compositions. <i>Journal of Superconductivity and Novel Magnetism</i> , 1993, 6, 49-54.	0.5	2
175	Lipoid proteinosis. <i>Journal of the American Academy of Dermatology</i> , 1992, 27, 293-297.	1.2	34
176	Possibilities for formation of the 110 K phase 2223 in Sb or V doped Bi-Sr-Ca-Cu-O and Bi-Pb-Sr-Ca-Cu-O materials. <i>Journal of Materials Science: Materials in Electronics</i> , 1992, 3, 127-131.	2.2	3
177	Copper-doped $\text{SnO}_2$ thin films for $\text{PH}_3$ detection. <i>Thin Solid Films</i> , 1992, 217, 187-192.	1.8	12
178	Influence of Mg on the superconductivity and phase composition of samples from the Bi-Pb(Sb)-Mg-Sr-Ca-Cu-O system. <i>Journal of Materials Science: Materials in Electronics</i> , 1991, 2, 125-128.	2.2	0
179	Superconductivity above 90 K in the Bi-Mg-Sr-Ca-Cu-O system. <i>Journal of Superconductivity and Novel Magnetism</i> , 1991, 4, 45-47.	0.5	0
180	Superconducting region in the phase diagram of the Bi-Cd-Sr-Ca-Cu-O system. <i>Journal of Superconductivity and Novel Magnetism</i> , 1991, 4, 199-205.	0.5	0

#	ARTICLE	IF	CITATIONS
181	The effect of Sb concentration on the superconducting properties and phase composition of Bi-Pb-Sb-Sr-Ca-Cu oxide materials. <i>European Physical Journal B</i> , 1990, 81, 151-154.	1.5	8
182	On-line monitoring of representative structural variables in fed-batch cultivation of recombinant <i>Escherichia coli</i> for phenylalanine production. <i>Journal of Bioscience and Bioengineering</i> , 1990, 70, 420-426.	0.9	31
183	A balanced DO-stat and its application to the control of acetic acid excretion by recombinant <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 1990, 36, 750-758.	3.3	112
184	Superconductivity in the Bi <sup>ii</sup> —,Cd <sup>i</sup> —,Sr <sup>i</sup> —,Ca <sup>i</sup> —,Cu oxide system. <i>Physica C: Superconductivity and Its Applications</i> , 1990, 165, 170-172.	1.2	14
185	Effect of the annealing time on the Pb concentration and phase composition of samples from the Bi-Pb-Sr-Ca-Cu-O system. <i>Superconductor Science and Technology</i> , 1990, 3, 309-311.	3.5	8
186	Physiological state control of fermentation processes. <i>Biotechnology and Bioengineering</i> , 1989, 33, 1145-1156.	3.3	110