

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	Highly Reversible Lithium Storage in Spheroidal Carbon-Coated Silicon Nanocomposites as Anodes for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6896-6899.	13.8	656
2	Comparison of GO, GO/MWCNTs composite and MWCNTs as potential electrode materials for supercapacitors. <i>Energy and Environmental Science</i> , 2011, 4, 1855.	30.8	414
3	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
4	High-Performance Multifunctional Graphene Yarns: Toward Wearable All-Carbon Energy Storage Textiles. <i>ACS Nano</i> , 2014, 8, 2456-2466.	14.6	331
5	Enhancement of the capacitance in TiO ₂ nanotubes through controlled introduction of oxygen vacancies. <i>Journal of Materials Chemistry</i> , 2011, 21, 5128.	6.7	288
6	Graphene oxide dispersions: tuning rheology to enable fabrication. <i>Materials Horizons</i> , 2014, 1, 326-331.	12.2	276
7	Sulphur-polypyrrole composite positive electrode materials for rechargeable lithium batteries. <i>Electrochimica Acta</i> , 2006, 51, 4634-4638.	5.2	265
8	An All-Integrated Anode via Interlinked Chemical Bonding between Double-Shelled Yolk-Structured Silicon and Binder for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1703028.	21.0	238
9	High-surface-area γ -Fe ₂ O ₃ /carbon nanocomposite: one-step synthesis and its highly reversible and enhanced high-rate lithium storage properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 2092.	6.7	228
10	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
11	Boosting potassium-ion batteries by few-layered composite anodes prepared via solution-triggered one-step shear exfoliation. <i>Nature Communications</i> , 2018, 9, 3645.	12.8	204
12	A highly ordered titania nanotube array as a supercapacitor electrode. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5038.	2.8	188
13	Investigation of cobalt oxides as anode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2002, 109, 142-147.	7.8	182
14	Application of nanostructured Ca doped CeO ₂ for ultraviolet filtration. <i>Materials Research Bulletin</i> , 2010, 45, 527-535.	5.2	171
15	Conductivity improvements to spray-produced LiFePO ₄ by addition of a carbon source. <i>Materials Letters</i> , 2004, 58, 1788-1791.	2.6	170
16	A new energy storage system: Rechargeable potassium-selenium battery. <i>Nano Energy</i> , 2017, 35, 36-43.	16.0	168
17	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
18	Wearable energy-smart ribbons for synchronous energy harvest and storage. <i>Nature Communications</i> , 2016, 7, 13319.	12.8	147

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19	Enhancement of the electrochemical capacitance of TiO ₂ nanotube arrays through controlled phase transformation of anatase to rutile. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4770.	2.8	138
20	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
21	Nanomaterials for Lithium-ion Rechargeable Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1-15.	0.9	127
22	Metal-Organic Framework (MOF)-Derived Nanoporous Carbon Materials. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1331-1343.	3.3	123
23	Electrochemical Performance of Co ₃ O ₄ -C Composite Anode Materials. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A315.	2.2	122
24	Si-based anode materials for lithium rechargeable batteries. <i>Journal of Materials Chemistry</i> , 2010, 20, 10055.	6.7	120
25	Three dimensional cellular architecture of sulfur doped graphene: self-standing electrode for flexible supercapacitors, lithium ion and sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5290-5302.	10.3	118
26	Formation and processability of liquid crystalline dispersions of graphene oxide. <i>Materials Horizons</i> , 2014, 1, 87-91.	12.2	113
27	Self-Assembled N/S Codoped Flexible Graphene Paper for High Performance Energy Storage and Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2078-2087.	8.0	113
28	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
29	Synthesis and electrochemical properties of V ₂ O ₅ nanostructures prepared via a precipitation process for lithium-ion battery cathodes. <i>Journal of Power Sources</i> , 2007, 174, 1032-1035.	7.8	112
30	Physiological state control of fermentation processes. <i>Biotechnology and Bioengineering</i> , 1989, 33, 1145-1156.	3.3	110
31	Physical and electrochemical properties of doped lithium iron phosphate electrodes. <i>Electrochimica Acta</i> , 2004, 50, 443-447.	5.2	106
32	Lanthanum doped SnO ₂ and ZnO thin films sensitive to ethanol and humidity. <i>Materials Chemistry and Physics</i> , 2000, 63, 104-108.	4.0	105
33	Enhanced Hydrogen Storage in Graphene Oxide-MWCNTs Composite at Room Temperature. <i>Advanced Energy Materials</i> , 2012, 2, 1439-1446.	19.5	97
34	Synthesis and characterization of SnO ₂ -polypyrrole composite for lithium-ion battery. <i>Journal of Power Sources</i> , 2007, 174, 1183-1187.	7.8	96
35	Spherical Clusters of NiO Nanoshafths for Lithium-Ion Battery Anodes. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A524.	2.2	92
36	Nano-structured spherical porous SnO ₂ anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2006, 159, 345-348.	7.8	91

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37	Spray Pyrolysis Preparation and Humidity Sensing Characteristics of Spinel Zinc Stannate Thin Films. <i>Journal of Solid State Chemistry</i> , 1997, 128, 305-309.	2.9	90
38	Nanosize cobalt oxides as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2002, 340, L5-L10.	5.5	90
39	Paper-like free-standing polypyrrole and polypyrrole-LiFePO ₄ composite films for flexible and bendable rechargeable battery. <i>Electrochemistry Communications</i> , 2008, 10, 1781-1784.	4.7	86
40	Nano-structured SnO ₂ -carbon composites obtained by in situ spray pyrolysis method as anodes in lithium batteries. <i>Journal of Power Sources</i> , 2005, 146, 180-184.	7.8	85
41	Synthesis and characterization of LiCo _x Mn _y Ni _{1-x-y} O ₂ as a cathode material for secondary lithium batteries. <i>Journal of Power Sources</i> , 2003, 119-121, 184-188.	7.8	70
42	Globular reduced graphene oxide-metal oxide structures for energy storage applications. <i>Energy and Environmental Science</i> , 2012, 5, 5236-5240.	30.8	69
43	Flux jumping and a bulk-to-granular transition in the magnetization of a compacted and sintered MgB ₂ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 361, 79-83.	1.2	67
44	Synthesis of spherical porous vanadium pentoxide and its electrochemical properties. <i>Journal of Power Sources</i> , 2008, 184, 485-488.	7.8	66
45	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
46	First proof of bismuth oxide nanoparticles as efficient radiosensitisers on highly radioresistant cancer cells. <i>Physica Medica</i> , 2016, 32, 1444-1452.	0.7	61
47	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
48	Electrochemical biosensing strategies for DNA methylation analysis. <i>Biosensors and Bioelectronics</i> , 2017, 94, 63-73.	10.1	60
49	New approach for synthesis of carbon-mixed LiFePO ₄ cathode materials. <i>Electrochimica Acta</i> , 2004, 50, 421-426.	5.2	58
50	Spray Pyrolyzed PbO-Carbon Nanocomposites as Anode for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2006, 153, A787.	2.9	58
51	Sodium and Lithium Storage Properties of Spray-Dried Molybdenum Disulfide-Graphene Hierarchical Microspheres. <i>Scientific Reports</i> , 2015, 5, 11989.	3.3	58
52	A Conductive Polypyrrole-Coated, Sulfur-Carbon Nanotube Composite for Use in Lithium-Sulfur Batteries. <i>ChemPlusChem</i> , 2013, 78, 318-324.	2.8	57
53	Electro-Oxidation of Ethanol on Pt-WO ₃ -C Electrocatalyst. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A423.	2.2	49
54	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

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55	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
56	Effect of boron powder purity on superconducting properties of MgB ₂ . <i>Superconductor Science and Technology</i> , 2006, 19, 466-469.	3.5	48
57	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
58	Spray-pyrolyzed silicon/disordered carbon nanocomposites for lithium-ion battery anodes. <i>Journal of Power Sources</i> , 2007, 174, 823-827.	7.8	43
59	Synthesis-Dependent Surface Defects and Morphology of Hematite Nanoparticles and Their Effect on Cytotoxicity in Vitro. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5867-5876.	8.0	41
60	Li ₂ S-Based Li-ion Sulfur Batteries: Progress and Prospects. <i>Small</i> , 2021, 17, e1903934.	10.0	41
61	In situ engineering of urchin-like reduced graphene oxide@Mn ₂ O ₃ @Mn ₃ O ₄ nanostructures for supercapacitors. <i>RSC Advances</i> , 2014, 4, 886-892.	3.6	40
62	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
63	Structural study of Al-substituted nickel hydroxide. <i>Solid State Ionics</i> , 2002, 148, 503-508.	2.7	38
64	Synthesis of nanosized vanadium pentoxide/carbon composites by spray pyrolysis for electrochemical capacitor application. <i>Electrochimica Acta</i> , 2009, 54, 1420-1425.	5.2	38
65	High-Z Nanostructured Ceramics in Radiotherapy: First Evidence of Ta ₂ O ₅ -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
66	Synthesis of potential theranostic system consisting of methotrexate-immobilized (3-aminopropyl)trimethoxysilane coated Bi ₂ O ₃ nanoparticles for cancer treatment. <i>RSC Advances</i> , 2014, 4, 24412.	3.6	38
67	Lipoid proteinosis. <i>Journal of the American Academy of Dermatology</i> , 1992, 27, 293-297.	1.2	34
68	Preparation of orthorhombic LiMnO ₂ material via the sol-gel process. <i>Journal of Power Sources</i> , 2003, 119-121, 221-225.	7.8	34
69	Synthesis of methotrexate-loaded tantalum pentoxide@poly(acrylic acid) nanoparticles for controlled drug release applications. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 286-296.	9.4	34
70	Preparation of ceria films by spray pyrolysis method. <i>Solid State Sciences</i> , 2000, 2, 277-280.	0.7	32
71	Suppression of the photocatalytic activity of TiO ₂ nanoparticles encapsulated by chitosan through a spray-drying method with potential for use in sunblocking applications. <i>Powder Technology</i> , 2018, 329, 252-259.	4.2	32
72	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

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73	Electrochemical and magnetic characterization of LiFePO ₄ and Li _{0.95} Mg _{0.05} FePO ₄ cathode materials. Journal of Solid State Electrochemistry, 2006, 11, 177-185.	2.5	31
74	ZnO/CeO ₂ nanocomposite with low photocatalytic activity as efficient UV filters. Journal of Materials Science, 2020, 55, 6834-6847.	3.7	31
75	Electrochemical hydrogen storage properties of nonstoichiometric amorphous MgNi _{1+x} MgNi _{1-x} carbon composites (x=0.05x=0.05â€‘0.3). International Journal of Hydrogen Energy, 2006, 31, 2032-2039.	7.1	30
76	Nanocrystalline NiO hollow spheres in conjunction with CMC for lithium-ion batteries. Journal of Applied Electrochemistry, 2010, 40, 1415-1419.	2.9	29
77	Alkaliâ€‘Metal Sulfide as Cathodes toward Safe and Highâ€‘Capacity Metal (M = Li, Na, K) Sulfur Batteries. Advanced Energy Materials, 2020, 10, 2001764.	19.5	29
78	Local dose enhancement of proton therapy by ceramic oxide nanoparticles investigated with Geant4 simulations. Physica Medica, 2016, 32, 1584-1593.	0.7	28
79	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
80	<I>In-Situ</I> Fabrication of Nanostructured Cobalt Oxide Powders by Spray Pyrolysis Technique. Journal of Nanoscience and Nanotechnology, 2004, 4, 861-866.	0.9	25
81	Research Progress and Future Perspectives on Rechargeable Naâ€‘O₂ and Naâ€‘CO₂ Batteries. Energy and Environmental Materials, 2021, 4, 158-177.	12.8	25
82	Multifunctional Fe₂O₃/CeO₂ nanocomposites for free radical scavenging ultraviolet protection. RSC Advances, 2016, 6, 65397-65402.	3.6	24
83	Surface engineering of self-assembled TiO ₂ nanotube arrays: A practical route towards energy storage applications. Journal of Alloys and Compounds, 2014, 586, 197-201.	5.5	23
84	The Dual Functions of Defectâ€‘Rich Carbon Nanotubes as Both Conductive Matrix and Efficient Mediator for Liâ€‘S Batteries. Small, 2021, 17, e2103535.	10.0	23
85	A significant improvement in both low- and high-field performance of MgB ₂ superconductors through graphene oxide doping. Scripta Materialia, 2013, 69, 437-440.	5.2	22
86	Comparison of photoprotection efficiency and antiproliferative activity of ZnO commercial sunscreens and CeO ₂ . Materials Letters, 2013, 108, 13-16.	2.6	22
87	Study of the effect of ceramic Ta ₂ O ₅ nanoparticle distribution on cellular dose enhancement in a kilovoltage photon field. Physica Medica, 2016, 32, 1216-1224.	0.7	22
88	Liquidâ€‘Crystalâ€‘Mediated Selfâ€‘Assembly of Porous Î±â€‘Fe₂O₃ 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
89	Zinc doping effects on the structure, transport and magnetic properties of La _{0.7} Sr _{0.3} Mn _{1-x} Zn _x O ₃ manganite oxide. Science and Technology of Advanced Materials, 2003, 4, 149-152.	6.1	21
90	Optimizing dose enhancement with Ta ₂ O ₅ nanoparticles for synchrotron microbeam activated radiation therapy. Physica Medica, 2016, 32, 1852-1861.	0.7	21

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91	The effects of cerium doping on the size, morphology, and optical properties of $\hat{\pm}$ -hematite nanoparticles for ultraviolet filtration. <i>Materials Research Bulletin</i> , 2013, 48, 4521-4525.	5.2	20
92	Liquid Crystalline Dispersions of Grapheneâ€Oxideâ€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
93	A Facile Synthesis of Highâ€Surfaceâ€Area Sulfurâ€Carbon Composites for Li/S Batteries. <i>Chemistry - A European Journal</i> , 2015, 21, 10061-10069.	3.3	20
94	Attenuation of UV absorption by poly(lactic acid)-iron oxide nanocomposite particles and their potential application in sunscreens. <i>Chemical Engineering Journal</i> , 2021, 405, 126843.	12.7	20
95	NO Sensitivity of Spinel Type Zn ₂ SnO ₄ Spray Deposited Films. <i>Physica Status Solidi A</i> , 1998, 167, R11-R12.	1.7	19
96	Preparation and properties of spherical LiNi _{0.75} Co _{0.25} O ₂ as a cathode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2004, 50, 435-441.	5.2	19
97	In situ fabrication of spherical porous tin oxide via a spray pyrolysis technique. <i>Electrochimica Acta</i> , 2006, 51, 3680-3684.	5.2	19
98	Titanium doped tin dioxide as potential UV filter with low photocatalytic activity for sunscreen products. <i>Materials Letters</i> , 2016, 171, 289-292.	2.6	19
99	Biocompatible Bi(OH) ₃ nanoparticles with reduced photocatalytic activity as possible ultraviolet filter in sunscreens. <i>Materials Research Bulletin</i> , 2018, 108, 130-141.	5.2	19
100	Na-doped ZnO UV filters with reduced photocatalytic activity for sunscreen applications. <i>Journal of Materials Science</i> , 2020, 55, 2772-2786.	3.7	19
101	Investigation of ROS scavenging properties and in vitro cytotoxicity of oxygen-deficient La ₂ O _{3-x} nanostructure synthesized by spray pyrolysis method. <i>Journal of Nanostructure in Chemistry</i> , 2020, 10, 347-361.	9.1	19
102	Understanding the Effects of the Low-Concentration Electrolyte on the Performance of High-Energy-Density Liâ€S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28405-28414.	8.0	19
103	Growth and characterization of thin ZnO films deposited on glass substrates by electrodeposition technique. <i>Applied Surface Science</i> , 2010, 256, 4114-4120.	6.1	18
104	Synthesis and Characterization of Fe Doped CeO ₂ Nanoparticles for Pigmented Ultraviolet Filter Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 4019-4028.	0.9	18
105	Study of structure, transport, paramagnetic and ferromagnetic properties of La _{0.8} Sr _{0.2} Mn _{1-x} Zn _x O ₃ perovskite manganite. <i>Superconductor Science and Technology</i> , 2002, 15, 346-350.	3.5	17
106	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
107	Nanostructured CoS ₂ -Decorated Hollow Carbon Spheres: A Performance Booster for Li-Ion/Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 6447-6459.	5.1	17
108	Development of CeO ₂ nanodot encrusted TiO ₂ nanoparticles with reduced photocatalytic activity and increased biocompatibility towards a human keratinocyte cell line. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4016-4028.	5.8	17

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109	Highly porous hematite nanorods prepared via direct spray precipitation method. <i>Materials Letters</i> , 2014, 117, 279-282.	2.6	16
110	Y ₂ O ₃ decorated TiO ₂ nanoparticles: Enhanced UV attenuation and suppressed photocatalytic activity with promise for cosmetic and sunscreen applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 207, 111883.	3.8	16
111	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. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25251-25260.	8.0	15
112	High toxicity of Bi(OH) ₃ and Bi ₂ O ₃ nanoparticles towards malignant 9L and MCF-7 cells. <i>Materials Science and Engineering C</i> , 2018, 93, 958-967.	7.3	15
113	Superconductivity in the Bi _{1-x} Cd _x Sr _{1-x} Ca _x Cu oxide system. <i>Physica C: Superconductivity and Its Applications</i> , 1990, 165, 170-172.	1.2	14
114	Preparation of spherical clusters of metal oxide nanorods and their hydrogen storage behavior. <i>Materials Letters</i> , 2006, 60, 3891-3894.	2.6	14
115	The effect of carbon doping on the upper critical field (H_{c2}) and resistivity of MgB ₂ by using sucrose (C ₁₂ H ₂₂ O ₁₁) as the carbon source. <i>Superconductor Science and Technology</i> , 2009, 22, 015025.	3.5	14
116	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
117	Liquid-Crystal-Mediated 3D Macrostructured Composite of Co/Co ₃ O ₄ Embedded in Graphene: Free-Standing Electrode for Efficient Water Splitting. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600386.	2.3	14
118	Gram-Scale Synthesis of Bimetallic ZIFs and Their Thermal Conversion to Nanoporous Carbon Materials. <i>Nanomaterials</i> , 2019, 9, 1796.	4.1	13
119	Copper-doped SnO ₂ thin films for PH ₃ detection. <i>Thin Solid Films</i> , 1992, 217, 187-192.	1.8	12
120	Electrochemical properties of orthorhombic LiMnO ₂ prepared by one-step middle-temperature solid-state reaction. <i>Journal of Alloys and Compounds</i> , 2002, 346, 255-259.	5.5	12
121	Synthesis of Nano-Hematite for Possible Use in Sunscreens. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 2413-2420.	0.9	12
122	A chemically modified graphene oxide wrapped porous hematite nano-architecture as a high rate lithium-ion battery anode material. <i>RSC Advances</i> , 2016, 6, 82698-82706.	3.6	12
123	TiO ₂ /(BiO) ₂ CO ₃ nanocomposites for ultraviolet filtration with reduced photocatalytic activity. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5639-5650.	5.5	12
124	Nano-sunscreens – a double-edged sword in protecting consumers from harm: viewing Australian regulatory policies through the lenses of the European Union. <i>Critical Reviews in Toxicology</i> , 2019, 49, 122-139.	3.9	12
125	Effect of ZrO ₂ nucleant on crystallisation behaviour, microstructure and magnetic properties of BaO-Fe ₂ O ₃ -B ₂ O ₃ -SiO ₂ glass ceramics. <i>Ceramics International</i> , 2007, 33, 463-469.	4.8	11
126	Stoichiometry-controlled high-performance LiCoO ₂ electrode materials prepared by a spray solution technique. <i>Journal of Power Sources</i> , 2003, 119-121, 195-200.	7.8	10

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127	Effect of Boron powder purity on superconducting properties of bulk MgB ₂ . Physica C: Superconductivity and Its Applications, 2007, 460-462, 602-603.	1.2	9
128	In-situ fabrication and characterisation of nanostructured Mn ₃ O ₄ powders for electronic and electrochemical applications. Materials Letters, 2007, 61, 3189-3192.	2.6	9
129	Tubular TiO ₂ Nanostructures: Toward Safer Microsupercapacitors. Advanced Materials Technologies, 2018, 3, 1700194.	5.8	9
130	Hydrothermal synthesis of rutile TiO ₂ nanorods and their decoration with CeO ₂ nanoparticles as low-photocatalytic active ingredients in UV filtering applications. Journal of Materials Science, 2020, 55, 8095-8108.	3.7	9
131	The effect of Sb concentration on the superconducting properties and phase composition of Bi-Pb-Sb-Sr-Ca-Cu oxide materials. European Physical Journal B, 1990, 81, 151-154.	1.5	8
132	Effect of the annealing time on the Pb concentration and phase composition of samples from the Bi-Pb-Sr-Ca-Cu-O system. Superconductor Science and Technology, 1990, 3, 309-311.	3.5	8
133	Growth and characteristics of ZnO nano-aggregates electrodeposited onto p-Si(111). Applied Surface Science, 2010, 257, 616-621.	6.1	8
134	Mass production of Li ₄ Ti ₅ O ₁₂ with a conductive network via in situ spray pyrolysis as a long cycle life, high rate anode material for lithium ion batteries. RSC Advances, 2014, 4, 38568-38574.	3.6	8
135	High performance pure sulfur honeycomb-like architectures synthesized by a cooperative self-assembly strategy for lithium-sulfur batteries. RSC Advances, 2014, 4, 36513-36516.	3.6	8
136	Nanostructured Metal Oxides as Electrode Materials for Electrochemical Capacitors. Journal of Nanoscience and Nanotechnology, 2009, 9, 1263-1267.	0.9	7
137	Rapid synthesis of functional oxides by electric discharge assisted mechanical milling method. Journal of Alloys and Compounds, 2012, 536, S3-S8.	5.5	7
138	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
139	Nanostructures, concentrations and energies: an ideal equation to extend therapeutic efficiency on radioresistant 9L tumor cells using Ta_2O_5 ceramic nanostructured particles. Biomedical Physics and Engineering Express, 2017, 3, 015018.	1.2	7
140	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
141	Spray pyrolysis deposition of polycrystalline magnesia films and their use as buffer layers in Bi(Pb)-Sr-Ca-Cu-O/MgO/Al ₂ O ₃ (or glass ceramics) structures. Materials Letters, 1997, 30, 333-337.	2.6	6
142	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
143	PH ₃ detection by SnO ₂ -ZrO ₂ thin films. Sensors and Actuators B: Chemical, 1994, 21, 199-204.	7.8	5
144	Superconductivity at 103 K in CdBa ₂ (Ca _{0.7} Y _{0.3})Cu ₂ O _y . Journal of Superconductivity and Novel Magnetism, 1995, 8, 329-331.	0.5	5

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	Tuning Wall Thicknesses in Mesoporous Silica Films for Optimization of Optical Anti-Reflective Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 100-103.	0.9	5
148	Defect-Rich La ₂ O ₃ Nanoparticles with Antioxidant Activity for Human Keratinocytes. <i>ACS Applied Nano Materials</i> , 2021, 4, 6345-6356.	5.0	5
149	Influence of additives on the morphological, phase and chemical characteristics of gas sensitive SnO ₂ sprayed films. <i>Journal of Materials Science</i> , 1996, 31, 6207-6213.	3.7	4
150	The effects of substitutions and type of substrates on the morphology of La _{0.8} A _{0.2} Cu _{0.5} Mn _{0.5} O ₃ (A =) Tj ETQq0 0.0 rgBT /Qverlock 1	4.0	4
151	Thermal stability and hydrogen storage property of Mg _{1.9} Cu _{0.1} Ni _x (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
152	Electrochemical Performance of Nanocrystalline SnO ₂ -Carbon Nanotube Composites as Anode in Lithium-Ion Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1474-1478.	0.9	4
153	Rietveld Analysis of the Effect of Annealing Atmosphere on Phase Evolution of Nanocrystalline TiO ₂ Powders. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4724-4728.	0.9	4
154	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
155	Design of self-assembled TiO ₂ architectures: Towards hybrid nanotubular interfaces. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 938-945.	1.8	4
156	Indirect radio-chemo-beta therapy: a targeted approach to increase biological efficiency of x-rays based on energy. <i>Physics in Medicine and Biology</i> , 2015, 60, 7847-7859.	3.0	4
157	Radiosensitisation enhancement effect of BrUdR and Ta ₂ O ₅ NSPs in combination with 5-Fluorouracil antimetabolite in kilovoltage and megavoltage radiation. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 034001.	1.2	4
158	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
159	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
160	The effect of the microstructure, phase and chemical composition on the humidity sensing characteristics of SnO ₂ -Fe ₂ O ₃ spray deposited thin films using different iron salts. <i>Journal of Materials Science</i> , 1996, 31, 4261-4265.	3.7	3
161	Variations in the chemical composition of Bi(Pb)-Sr-Ca-Cu-O films deposited by spray pyrolysis method. <i>Journal of Analytical and Applied Pyrolysis</i> , 1997, 42, 89-94.	5.5	3
162	Fabrication and Properties of Spray-Dried Nanofeatured Spherical Ni(OH) ₂ Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 675-678.	0.9	3

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163	Band structure, magnetic, and transport properties of two dimensional compounds $Sr_{2-x}Gd_xCoO_4$. Journal of Applied Physics, 2013, 113, 17B522.	2.5	3
164	Theranostic two-dimensional superparamagnetic maghemite quantum structures for ROS-mediated cancer therapy. Journal of Materials Chemistry B, 2021, 9, 5805-5817.	5.8	3
165	Microenvironmental Behaviour of Nanotheranostic Systems for Controlled Oxidative Stress and Cancer Treatment. Nanomaterials, 2022, 12, 2462.	4.1	3
166	Superconductivity in nearly single-phase Bi-Pb-Sr-Ca-Cu-O samples with different nominal compositions. Journal of Superconductivity and Novel Magnetism, 1993, 6, 49-54.	0.5	2
167	Alkaline doped $Bi_{1-x}Pb_x(Sb)_ySr_{1-y}Ca_{1-x}Cu_{1-x}O$ superconducting materials. Materials Letters, 1994, 19, 297-300.	2.6	2
168	Growths of MgB_2 thin films by pulsed laser deposition. Crystal Engineering, 2002, 5, 391-400.	0.7	2
169	Density of states, magnetic and transport properties of Nd doped two dimensional perovskite compound Sr_2CoO_4 . Journal of Applied Physics, 2012, 111, 07D708.	2.5	2
170	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
171	Application of the metallurgical route for synthesis of 110 K Bi-Pb(Sb)-Sr-Ca-Cu-O superconducting oxides. Journal of Materials Research, 1994, 9, 2764-2770.	2.6	1
172	New $LaCu_{0.5}Mn_{0.5}O_3$ thin films deposited by the sol-gel process on different substrates. Thin Solid Films, 1996, 280, 112-114.	1.8	1
173	The effect of Ca, Sr, and Ba substitutions on the morphology and electrical resistivity of $La_{1-x}AxCu_{0.5}O_3$ thin films. Vacuum, 1996, 47, 1239-1242.	3.5	1
174	The effects of Cs addition and different sintering conditions on YBCO-123 superconductors made from precursor or commercial 123 powder. Journal of Materials Science, 1996, 31, 2987-2996.	3.7	1
175	Studies of the Electrochemical Properties of Nanosize Co_3O_4 Oxide as Anode Material for Lithium-Ion Batteries. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 625-628.	0.1	1
176	High di-electric constant nano-structure ceramics synthesis using novel electric discharge assisted mechanical milling and magneto ball milling and its properties. International Journal of Nanotechnology, 2014, 11, 728.	0.2	1
177	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. Ceramics International, 2015, 41, 9296-9300.	4.8	1
178	Significant Reduction in Thermal Conductivity and Improved Thermopower of Electron-Doped $Ba_{1-x}La_xTiO_3$ with Nanostructured Rectangular Pores. Advanced Electronic Materials, 2021, 7, 2001044.	5.1	1
179	Fabrication and Properties of Spray-Dried Nanofeatured Spherical $Ni(OH)_2$ Materials. Journal of Nanoscience and Nanotechnology, 2002, 2, 675-678.	0.9	1
180	Influence of Mg on the superconductivity and phase composition of samples from the Bi-Pb(Sb)-Mg-Sr-Ca-Cu-O system. Journal of Materials Science: Materials in Electronics, 1991, 2, 125-128.	2.2	0

#	ARTICLE	IF	CITATIONS
181	Superconductivity above 90 K in the Bi-Mg-Sr-Ca-Cu-O system. Journal of Superconductivity and Novel Magnetism, 1991, 4, 45-47.	0.5	0
182	Superconducting region in the phase diagram of the Bi-Cd-Sr-Ca-Cu-O system. Journal of Superconductivity and Novel Magnetism, 1991, 4, 199-205.	0.5	0
183	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. Journal of Superconductivity and Novel Magnetism, 1993, 6, 381-386.	0.5	0
184	Characterizing Physiology and Metabolism of High-Density CHO Cell Perfusion Cultures Using 2D-NMR Spectroscopy. , 2010, , 349-357.		0
185	The dynamic behaviour of sunscreens under in-service conditions.. Journal of Photochemistry and Photobiology B: Biology, 2022, 230, 112435.	3.8	0
186	Nanoarchitectonics of (110) directed polyethylene glycol stabilized cerium nanoparticles for UV filtering applications. Journal of Materials Science, 2022, 57, 12848-12864.	3.7	0