Hyung-Ho Park

List of Publications by Year
in descending order

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523	9,071	61857	95083
papers	citations	43 h-index	68 g-index

528	528	528	9855
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microsheets like nickel cobalt phosphate thin films as cathode for hybrid asymmetric solid-state supercapacitor: Influence of nickel and cobalt ratio variation. Chemical Engineering Journal, 2022, 429, 132184.	6.6	87
2	Construction of hierarchical nickel cobalt sulfide@manganese oxide nanoarrays@nanosheets <scp>coreâ€shell</scp> electrodes for highâ€performance electrochemical asymmetric supercapacitor. International Journal of Energy Research, 2022, 46, 5250-5259.	2.2	14
3	Polyoxotungstate intercalated self-assembled nanohybrids of Zn-Cr-LDH for room temperature Cl2 sensing. Sensors and Actuators B: Chemical, 2022, 352, 131046.	4.0	12
4	The role of oxygen defects engineering via passivation of the Al2O3 interfacial layer for the direct growth of a graphene-silicon Schottky junction solar cell. Applied Materials Today, 2022, 26, 101267.	2.3	11
5	Suppressed oxygen vacancy in pristine/N doped ZnO and improved ZnO homogenous p-n junction performance by H2O2 oxidant. Applied Surface Science, 2022, 579, 152170.	3.1	11
6	Linear and Symmetric Li-Based Composite Memristors for Efficient Supervised Learning. ACS Applied Materials & Interfaces, 2022, 14, 5673-5681.	4.0	18
7	Highly Dispersed Pt Clusters on F-Doped Tin(IV) Oxide Aerogel Matrix: An Ultra-Robust Hybrid Catalyst for Enhanced Hydrogen Evolution. ACS Nano, 2022, 16, 1625-1638.	7.3	48
8	Electric field induced Mott transition and bipolar resistive switching in La2Ti2O7-x thin film. Applied Materials Today, 2022, 26, 101395.	2.3	1
9	Resistive switching properties for fluorine doped titania fabricated using atomic layer deposition. APL Materials, 2022, 10, .	2.2	9
10	Sorbitol cross-linked silica aerogels with improved textural and mechanical properties. Ceramics International, 2022, 48, 19198-19205.	2.3	4
11	Bipolar Resistive Switching in Lanthanum Titanium Oxide and an Increased On/Off Ratio Using an Oxygen-Deficient ZnO Interlayer. ACS Applied Materials & Interfaces, 2022, 14, 17682-17690.	4.0	3
12	Development of directly grownâ€grapheneâ€“silicon Schottky barrier solar cell using coâ€doping technique. International Journal of Energy Research, 2022, 46, 11510-11522.	2.2	11
13	2Dâ€“2D lattice engineering route for intimately coupled nanohybrids of layered double hydroxide and potassium hexaniobate: Chemiresistive SO2 sensor. Journal of Hazardous Materials, 2022, 432, 128734.	6.5	12
14	Intercalation-type pseudocapacitive clustered nanoparticles of nickelâ€“cobalt phosphate thin films synthesized via electrodeposition as cathode for high-performance hybrid supercapacitor devices. Journal of Materials Chemistry A, 2022, 10, 11225-11237.	5.2	26
15	Ultralow dielectric cross-linked silica aerogel nanocomposite films for interconnect technology. Applied Materials Today, 2022, 28, 101536.	2.3	11
16	Influence of Zn-substitution on structural, morphological, electrical, and gas sensing properties of Zn Al2O4 (x = 0.1 to 0.5) synthesized by a sol-gel auto-combustion method. Ceramics International, 2021, 47, 6779-6789.	2.3	3
17	Al/F codoping effect on the structural, electrical, and optical properties of ZnO films grown via atomic layer deposition. Applied Surface Science, 2021, 535, 147734.	3.1	21
18	Mechanical modeling and simulation of aerogels: A review. Ceramics International, 2021, 47, 2981-2998.	2.3	31

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19	Porous organic filler for high efficiency of flexible thermoelectric generator. Nano Energy, 2021, 81, 105604.	8.2	58
20	Zirconia Coatings as Efficient Soil Moisture Sensors for Water Irrigation. IEEE Sensors Journal, 2021, 21, 21205-21211.	2.4	2
21	High-efficiency quantum dot light-emitting diodes based on Li-doped TiO2 nanoparticles as an alternative electron transport layer. Nanoscale, 2021, 13, 2838-2842.	2.8	11
22	Synthesis and Electrochemical Performance of Mesoporous NiMn2O4 Nanoparticles as an Anode for Lithium-Ion Battery. Journal of Composites Science, 2021, 5, 69.	1.4	11
23	Self-cleaned zirconia coatings prepared using a co-precursor solâ€“gel method. Surface Engineering, 2021, 37, 1059-1066.	1.1	9
24	Fabrication of a High-Performance Hybrid Supercapacitor Based on Hydrothermally Synthesized Highly Stable Cobalt Manganese Phosphate Thin Films. Langmuir, 2021, 37, 5260-5274.	1.6	48
25	Structural, morphological, and optical studies of hydrothermally synthesized Nb-added TiO2 for DSSC application. Ceramics International, 2021, 47, 25580-25592.	2.3	22
26	Amorphous, hydrous nickel phosphate thin film electrode prepared by SILAR method as a highly stable cathode for hybrid asymmetric supercapacitor. Synthetic Metals, 2021, 280, 116876.	2.1	26
27	Structural, electrical, and optical properties of Si-doped ZnO thin films prepared via supercycled atomic layer deposition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 273, 115401.	1.7	9
28	Ultrasonically dispersed ultrathin g-C3N4 nanosheet/BaBi2Nb2O9 heterojunction photocatalysts for efficient photocatalytic degradation of organic pollutant. Journal of Alloys and Compounds, 2021, 884, 161037.	2.8	21
29	Effect of Hydrogen Doping on the Gateâ€Tunable Memristive Behavior of Zinc Oxide Films with and without F or N Doping. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000702.	0.8	4
30	Influence of Tin Doped TiO2 Nanorods on Dye Sensitized Solar Cells. Materials, 2021, 14, 6282.	1.3	7
31	Thermoelectric behaviors of ZnO mesoporous thin films affected by strain induced from the different dopants radii (Al, Ga, and In). Applied Physics Letters, 2021, 119, .	1.5	7
32	Nanocrystalline spinel zinc-substituted cobalt ferrite thick film an efficient ethanol sensor. Materials Today Chemistry, 2021, 22, 100607.	1.7	4
33	Ambient Pressureâ€Dried Zirconia Xerogels and Aerogels Using Various Catalysts. Macromolecular Symposia, 2021, 400, 2100013.	0.4	0
34	Hydrophobic TiO2â€“SiO2 composite aerogels synthesized via in situ epoxy-ring opening polymerization and sol-gel process for enhanced degradation activity. Ceramics International, 2020, 46, 4939-4946.	2.3	55
35	Dioxybenzene-bridged hydrophobic silica aerogels with enhanced textural and mechanical properties. Microporous and Mesoporous Materials, 2020, 294, 109863.	2.2	21
36	Effect of zinc substitution on magnesium ferrite nanoparticles: Structural, electrical, magnetic, and gas-sensing properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114776.	1.7	23

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37	Influence of Various Solâ€“Gel Parameters on the Physicoâ€Chemical Properties of Sulfuric Acid Chelated Zirconia Aerogels Dried at Ambient Pressure. Macromolecular Symposia, 2020, 393, 2000025.	0.4	4
38	ZnO Nanocrystal Thin Films for Quantum-Dot Light-Emitting Devices. ACS Applied Nano Materials, 2020, 3, 7535-7542.	2.4	14
39	Smart forensic kit: Real-time estimation of postmortem interval using a highly sensitive gas sensor for microbial forensics. Sensors and Actuators B: Chemical, 2020, 322, 128612.	4.0	0
40	Comparisonal studies of surface modification reaction using various silylating agents for silica aerogel. Journal of Sol-Gel Science and Technology, 2020, 96, 346-359.	1.1	13
41	Electrochemically Synthesized Nanoflowers to Nanosphere-Like NiCuSe2 Thin Films for Efficient Supercapacitor Application. Metals, 2020, 10, 1698.	1.0	17
42	Preparation and Characterization of Zinc Oxide Nanoparticles Using Leaf Extract of Sambucus ebulus. Applied Sciences (Switzerland), 2020, 10, 3620.	1.3	206
43	Combined hot extrusion and spark plasma sintering method for producing highly textured thermoelectric Bi2Te3 alloys. Journal of the European Ceramic Society, 2020, 40, 3042-3048.	2.8	11
44	Carrier Modulation in Bi2Te3-Based Alloys via Interfacial Doping with Atomic Layer Deposition. Coatings, 2020, 10, 572.	1.2	10
45	Mapping thermoelectric properties of polycrystalline n-type Bi2Te3-xSex alloys by composition and doping level. Journal of Alloys and Compounds, 2020, 844, 155828.	2.8	7
46	Film thickness effect in c-axis oxygen vacancy-passivated ZnO prepared via atomic layer deposition by using H2O2. Applied Surface Science, 2020, 529, 147095.	3.1	12
47	Structural and mechanical properties of hybrid silica aerogel formed using triethoxy(1-phenylethenyl)silane. Microporous and Mesoporous Materials, 2020, 298, 110092.	2.2	32
48	Dielectric properties of BaTiO3 nanocrystals synthesized by ambient-condition-sol process at low temperatures. Journal of the Korean Ceramic Society, 2020, 57, 213-219.	1.1	4
49	Facile synthesis of a lightweight three-dimensional polymer scaffold dip-coated with multiple layers of TiO2 aerogel for X-band microwave absorption applications. Journal of Alloys and Compounds, 2020, 823, 153847.	2.8	28
50	Composites of silica aerogels with organics: a review of synthesis and mechanical properties. Springer Series in Emerging Cultural Perspectives in Work, Organizational, and Personnel Studies, 2020, 57, 1-23.	1.5	33
51	Synthesis of multi-functional porous superhydrophobic trioxybenzene cross-linked silica aerogels with improved textural properties. Ceramics International, 2020, 46, 17969-17977.	2.3	5
52	Enhanced thermal stability of Bi2Te3-based alloys via interface engineering with atomic layer deposition. Journal of the European Ceramic Society, 2020, 40, 3592-3599.	2.8	11
53	Flexible and lightweight Fe3O4/polymer foam composites for microwave-absorption applications. Journal of Alloys and Compounds, 2019, 805, 120-129.	2.8	44
54	Mott-transition-based RRAM. Materials Today, 2019, 28, 63-80.	8.3	56

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55	Atomic layer deposition of SnO2 thin films using tetraethyltin and H2O2. Ceramics International, 2019, 45, 20600-20605.	2.3	17
56	Preparation of Sodium Silicateâ€“Based Aerogels Using a Twoâ€Step Solâ€“Gel Process and Ambient Pressure Drying. Macromolecular Symposia, 2019, 387, 1800226.	0.4	9
57	Effects of compression and controlled selenization on powder-fabricated Cu(In,Ga)Se2 thin films. Applied Surface Science, 2019, 475, 158-161.	3.1	5
58	SnO2 aerogel deposited onto polymer-derived carbon foam for environmental remediation. Journal of Molecular Liquids, 2019, 287, 110990.	2.3	29
59	Ti doping effects on the Seebeck coefficient and electrical conductivity of mesoporous ZnO thin film. Materials Chemistry and Physics, 2019, 235, 121757.	2.0	16
60	Temperature Effects on Electromechanical Response of Deposited Piezoelectric Sensors Used in Structural Health Monitoring of Aerospace Structures. Sensors, 2019, 19, 2805.	2.1	17
61	An evaluation of fluorinated titanium oxide nanocrystals with UV exposure treatment for oxygen vacancy control. Applied Surface Science, 2019, 489, 824-830.	3.1	2
62	Microwave permittivity of MWCNT, Ca1â€‰â€˜â€‰xBaxBi2Nb2O9 (0â€‰â‰â€‰xâ€‰â‰â€‰1) and MWCNT/ Ca1â€‰â€˜â€‰xB layered composite thick films using microstrip ring resonator overlay method. Journal of Electroceramics, 2019, 43, 64-72.	0.8	3
63	The thermoelectric properties of Au nanoparticle-incorporated Al-doped mesoporous ZnO thin films. Royal Society Open Science, 2019, 6, 181799.	1.1	7
64	Control of electrical conductivity of highly stacked zinc oxide nanocrystals by ultraviolet treatment. Scientific Reports, 2019, 9, 6244.	1.6	24
65	Facile Synthesis of SnO2 Aerogel/Reduced Graphene Oxide Nanocomposites via in Situ Annealing for the Photocatalytic Degradation of Methyl Orange. Nanomaterials, 2019, 9, 358.	1.9	49
66	Molecular dynamics and experimental studies of nanoindentation on nanoporous silica aerogels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 742, 344-352.	2.6	37
67	PZT/PZT and PZT/BiT Composite Piezo-Sensors in Aerospace SHM Applications: Photochemical Metal Organic + Infiltration Deposition and Characterization. Sensors, 2019, 19, 13.	2.1	19
68	Synthesis and Properties of Metal Oxide Aerogels via Ambient Pressure Drying. Journal of Nanoscience and Nanotechnology, 2019, 19, 1217-1227.	0.9	9
69	Polypropylene/Silica Aerogel Composite Incorporating a Conformal Coating of Methyltrimethoxysilane-Based Aerogel. Journal of Nanoscience and Nanotechnology, 2019, 19, 1376-1381.	0.9	10
70	Enhanced photocatalytic activity of a mesoporous TiO2 aerogel decorated onto three-dimensional carbon foam. Journal of Molecular Liquids, 2019, 277, 424-433.	2.3	56
71	Effective Oxygen-Defect Passivation in ZnO Thin Films Prepared by Atomic Layer Deposition Using Hydrogen Peroxide. Journal of the Korean Ceramic Society, 2019, 56, 302-307.	1.1	4
72	Study on properties of Ga/F-co-doped ZnO thin films prepared using atomic layer deposition. Thin Solid Films, 2018, 660, 913-919.	0.8	18

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73	Impurity-free, mechanical doping for the reproducible fabrication of the reliable n-type Bi2Te3-based thermoelectric alloys. Acta Materialia, 2018, 150, 153-160.	3.8	23
74	Low temperature method to passivate oxygen vacancies in un-doped ZnO films using atomic layer deposition. Thin Solid Films, 2018, 660, 852-858.	0.8	15
75	Incorporation of Au nanoparticles into thermoelectric mesoporous ZnO using a reverse triblock copolymer to enhance electrical conductivity. Materials Chemistry and Physics, 2018, 212, 499-505.	2.0	5
76	Oxygen vacancy-passivated ZnO thin film formed by atomic layer deposition using H2O2. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	0.9	16
77	Characterization of mesoporous silica thin films for application to thermal isolation layer. Thin Solid Films, 2018, 660, 715-719.	0.8	6
78	Preparation of cobalt substituted zinc aluminium chromite: photocatalytic properties and Suzuki cross coupling reaction. Journal of Materials Science: Materials in Electronics, 2018, 29, 7274-7286.	1.1	5
79	Hollow Pt-Functionalized SnO₂ Hemipill Network Formation Using a Bacterial Skeleton for the Noninvasive Diagnosis of Diabetes. ACS Sensors, 2018, 3, 661-669.	4.0	37
80	Effect of mesopore-induced strain/stress on the thermoelectric properties of mesoporous ZnO thin films. Applied Surface Science, 2018, 446, 160-167.	3.1	9
81	Microwave dielectric properties of barium substituted screen printed CaBi2Nb2O9 ceramic thick films. Ceramics International, 2018, 44, 7515-7523.	2.3	32
82	N-doped Al2O3 thin films deposited by atomic layer deposition. Thin Solid Films, 2018, 660, 657-662.	0.8	17
83	Zirconia-based alumina compound aerogels with enhanced mesopore structure. Ceramics International, 2018, 44, 10579-10584.	2.3	13
84	Tunable Dielectric Properties of Poly(vinylidenefluoride-co-hexafluoropropylene) Films with Embedded Fluorinated Barium Strontium Titanate Nanoparticles. Scientific Reports, 2018, 8, 4086.	1.6	17
85	All villi-like metal oxide nanostructures-based chemiresistive electronic nose for an exhaled breath analyzer. Sensors and Actuators B: Chemical, 2018, 257, 295-302.	4.0	51
86	Enhancement of Seebeck coefficient of mesoporous SrTiO3 with V-group elements V, Nb, and Ta substituted for Ti. Journal of the European Ceramic Society, 2018, 38, 125-130.	2.8	20
87	Ambient pressure dried tetrapropoxysilane-based silica aerogels with high specific surface area. Solid State Sciences, 2018, 75, 63-70.	1.5	40
88	Facile synthesis of hydrophobic, thermally stable, and insulative organically modified silica aerogels using co-precursor method. Ceramics International, 2018, 44, 3966-3972.	2.3	43
89	Effect of Atomic Layer Deposition Temperature on the Growth Orientation, Morphology, and Electrical, Optical, and Band-Structural Properties of ZnO and Fluorine-Doped ZnO Thin Films. Journal of Physical Chemistry C, 2018, 122, 377-385.	1.5	22
90	Role of oxalic acid in structural formation of sodium silicate-based silica aerogel by ambient pressure drying. Journal of Sol-Gel Science and Technology, 2018, 85, 302-310.	1.1	26

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91	Effect of differentiated textural properties of tin oxide aerogels on anode performance in lithium-ion batteries. Journal of Alloys and Compounds, 2018, 732, 511-517.	2.8	9
92	Methods for distinguishing Mott transitions from Anderson transitions. International Journal of Nanotechnology, 2018, 15, 493.	0.1	1
93	Methyltrimethoxysilane silica aerogel composite with carboxyl-functionalised multi-wall carbon nanotubes. International Journal of Nanotechnology, 2018, 15, 587.	0.1	3
94	Superhydrophobic and Compressible Silica-polyHIPE Covalently Bonded Porous Networks via Emulsion Templating for Oil Spill Cleanup and Recovery. Scientific Reports, 2018, 8, 16783.	1.6	26
95	Structural and electrochemical properties of SnO2-carbon composite aerogels for Li-ion battery anode material. Solid State Ionics, 2018, 327, 76-82.	1.3	10
96	Study of the effect of stress/strain of mesoporous Al-doped ZnO thin films on thermoelectric properties. Solid State Sciences, 2018, 82, 84-91.	1.5	22
97	Enhanced microwave absorption of screen-printed multiwalled carbon nanotube/Ca1â^'xBaxBi2Nb2O9 (0â‰¤xâ‰¤1) multilayered thick film composites. Journal of Alloys and Compounds, 2018, 765, 878-887.	2.8	16
98	Silylation of sodium silicate-based silica aerogel using trimethylethoxysilane as alternative surface modification agent. Journal of Sol-Gel Science and Technology, 2018, 87, 319-330.	1.1	23
99	Evolution of textural characteristics of surfactant-mediated mesoporous zirconia aerogel powders prepared via ambient pressure drying route. International Nano Letters, 2018, 8, 221-228.	2.3	9
100	Structural, morphological, and magnetic properties of ZnxCo1-xFe2O4 (0â€¯â‰¤â€¯xâ€¯â‰¤â€¯1) prepared using a chemical co-precipitation method. Ceramics International, 2018, 44, 20782-20789.	2.3	21
101	Impact of nanostructured thin ZnO film in ultraviolet protection. International Journal of Nanomedicine, 2017, Volume 12, 207-216.	3.3	95
102	Flexible piezoelectric micromachined ultrasonic transducer (pMUT) for application in brain stimulation. Microsystem Technologies, 2017, 23, 2321-2328.	1.2	42
103	Effect of mesoporous structure on the Seebeck coefficient and electrical properties of SrTi 0.8 Nb 0.2 O 3. Applied Surface Science, 2017, 409, 17-21.	3.1	3
104	Humidityâ€Tolerant Singleâ€Stranded DNAâ€Functionalized Graphene Probe for Medical Applications of Exhaled Breath Analysis. Advanced Functional Materials, 2017, 27, 1700068.	7.8	47
105	Flexible, elastic, and superhydrophobic silica-polymer composite aerogels by high internal phase emulsion process. Composites Science and Technology, 2017, 147, 45-51.	3.8	45
106	Ultrasonically assisted synthesis of lead oxide nanoflowers using ball milling. International Nano Letters, 2017, 7, 149-155.	2.3	4
107	Hydrophobic silica composite aerogels using poly(methyl methacrylate) by rapid supercritical extraction process. Journal of Sol-Gel Science and Technology, 2017, 83, 692-697.	1.1	21
108	Screen printed carbon nanotube thick film on alumina substrate. Ceramics International, 2017, 43, 4612-4617.	2.3	17

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109	Evaluation of Na2TiO3 formation for producing crystalline BaTiO3 nanoparticles by liquidâ€“solidâ€“solution process at low temperature. Journal of Alloys and Compounds, 2017, 695, 2160-2164.	2.8	5
110	A two-step synthesis process of thermoelectric alloys for the separate control of carrier density and mobility. Journal of Alloys and Compounds, 2017, 727, 191-195.	2.8	6
111	Phonon-glass electron-crystals in ZnO-multiwalled carbon nanotube nanocomposites. Nanoscale, 2017, 9, 12941-12948.	2.8	17
112	Effect of cationic and non-ionic surfactants on the microstructure of ambient pressure dried zirconia aerogel. Materials Express, 2017, 7, 291-298.	0.2	13
113	Improvement in the high temperature thermal insulation performance of Y2O3 opacified silica aerogels. Journal of Alloys and Compounds, 2017, 727, 871-878.	2.8	37
114	Efficient blue luminescence from HfO₂ colloidal nanocrystals. Materials Express, 2017, 7, 72-78.	0.2	7
115	Flexible and Transparent Silica Aerogels: An Overview. Journal of the Korean Ceramic Society, 2017, 54, 184-199.	1.1	83
116	Barium Titanate Nanoparticles Formed by Chlorine-Free Ambient Condition Sol Process Using Tetrabutylammonium Hydroxide. Journal of Nanomaterials, 2016, 2016, 1-7.	1.5	3
117	Dielectric properties of poly(4-vinylphenol) with embedded PbO nanoparticles. Polymers for Advanced Technologies, 2016, 27, 245-249.	1.6	10
118	Thickness-dependent growth orientation of F-doped ZnO films formed by atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	0.9	10
119	Effect of spark plasma sintering conditions on the thermoelectric properties of (Bi0.25Sb0.75)2Te3 alloys. Journal of Alloys and Compounds, 2016, 678, 396-402.	2.8	25
120	Highly stable colloidal TiO2 nanocrystals with strong violet-blue emission. Journal of Luminescence, 2016, 178, 89-93.	1.5	19
121	Highly stable and efficient green luminescent CdS colloidal nanocrystals. Journal of Nanophotonics, 2016, 10, 026017.	0.4	5
122	Microstructural characteristics of SrTiO ₃ nanoparticles: the role of capping ligand concentration. Micro and Nano Letters, 2016, 11, 273-276.	0.6	3
123	Evaluation of a ferroelectric tunnel junction by ultravioletâ€“visible absorption using a removable liquid electrode. Nanotechnology, 2016, 27, 215704.	1.3	0
124	Electrical properties of UV-irradiated thick film piezo-sensors on superalloy IN718 using photochemical metal organic deposition. Thin Solid Films, 2016, 616, 673-679.	0.8	10
125	One-step surface selective modification of UV-curable hard coatings with photochemical metal organics. Applied Surface Science, 2016, 389, 882-888.	3.1	1
126	Effect of thermal treatment on the textural properties and thermal stability of surface modified zirconia aerogel powders. International Journal of Nanotechnology, 2016, 13, 452.	0.1	5

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127	Effect of Pt doping in mesoporous TiO<SUB align="right">2 thin films on their electrical property. International Journal of Nanotechnology, 2016, 13, 463.	0.1	1
128	Chemiresistive Electronic Nose toward Detection of Biomarkers in Exhaled Breath. ACS Applied Materials & Interfaces, 2016, 8, 20969-20976.	4.0	113
129	Organically modified silica aerogel with different functional silylating agents and effect on their physico-chemical properties. Journal of Non-Crystalline Solids, 2016, 453, 164-171.	1.5	64
130	Fluorine ligand exchange effect in poly (vinylidenefluoride-co-hexafluoropropylene) with embedded fluorinated barium titanate nanoparticles. Thin Solid Films, 2016, 619, 17-24.	0.8	10
131	Wavelength-tunable visible to near-infrared photoluminescence of carbon dots: the role of quantum confinement and surface states. Journal of Nanophotonics, 2016, 10, 026028.	0.4	18
132	Tunneling Electroresistance Effect with Diode Characteristic for Cross-Point Memory. ACS Applied Materials & Interfaces, 2016, 8, 15476-15481.	4.0	12
133	Enhanced Charge Transport in ZnO Nanocomposite Through Interface Control Using Multiwall Carbon Nanotubes. Journal of the American Ceramic Society, 2016, 99, 2077-2082.	1.9	10
134	The oxygen-deficiency-dependent Seebeck coefficient and electrical properties of mesoporous La_{0.7}Sr_{0.3}MnO_{3â^'x} films. Journal of Materials Chemistry A, 2016, 4, 4433-4439.	5.2	10
135	Glancing angle deposited WO 3 nanostructures for enhanced sensitivity and selectivity to NO 2 in gas mixture. Sensors and Actuators B: Chemical, 2016, 229, 92-99.	4.0	28
136	The Effect of Mesoporous Structure on the Thermoelectric Properties of Nonstoichiometric La-Doped SrTiO₃. Journal of the Electrochemical Society, 2016, 163, E155-E158.	1.3	7
137	Monolithic and shrinkage-free hydrophobic silica aerogels via new rapid supercritical extraction process. Journal of Supercritical Fluids, 2016, 107, 84-91.	1.6	58
138	Chemical and Structural Effects of Lanthanide Trivalent Cation in Ln_{0.7}Sr_{0.3}MnO₃ (Ln=Pr and Sm) Perovskite Manganite on the Resistive Switching Characteristic. Current Nanoscience, 2016, 12, 477-481.	0.7	2
139	Elastic and Superhydrophobic Monolithic Methyltrimethoxysilane-based Silica Aerogels by Two-step Sol-gel Process. Journal of the Microelectronics and Packaging Society, 2016, 23, 35-39.	0.1	9
140	Characterization of Mechanical Property Change in Polymer Aerogels Depending on the Ligand Structure of Acrylate Monomer. Journal of the Microelectronics and Packaging Society, 2016, 23, 15-20.	0.1	4
141	In Situ Incorporation of Pt Nanoparticles in Fluorine-doped SnO2 Nanocomposite Thin Films by a One-step Synthesis. Chemistry Letters, 2015, 44, 782-784.	0.7	1
142	Electrical Properties of Mesoporous TiO₂ Nanocomposite Thin Films Incorporated with Au Nanoparticles by Simple One-pot Synthesis. Chemistry Letters, 2015, 44, 1485-1487.	0.7	2
143	The observation of valence band change on resistive switching of epitaxial Pr0.7Ca0.3MnO3 film using removable liquid electrode. Applied Physics Letters, 2015, 107, 231603.	1.5	1
144	Band Structure Analysis of La_{0.7}Sr_{0.3}MnO₃Perovskite Manganite Using a Synchrotron. Advances in Condensed Matter Physics, 2015, 2015, 1-7.	0.4	19

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145	Thickness and thermal processing contribution on piezoelectric characteristics of Pb(Zr-Ti)O₃ thick films deposited on curved IN738 using solâ€“gel technique. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2015, 229, 511-521.	0.7	6
146	Investigation into the influence of interfacial changes on the resistive switching of Pr_{0.7}Ca_{0.3}MnO₃. Journal Physics D: Applied Physics, 2015, 48, 465309.	1.3	5
147	Hardening of Biâ€“Te based alloys by dispersing B4C nanoparticles. Acta Materialia, 2015, 97, 68-74.	3.8	19
148	Enhancement of the O2 gas sensing properties of mesoporous Sr0.9La0.1TiO3 films by increasing the pore connectivity. RSC Advances, 2015, 5, 66384-66390.	1.7	8
149	Synthesis of mesoporous La0.7Sr0.3MnO3 thin films for thermoelectric materials. Journal of Alloys and Compounds, 2015, 632, 246-250.	2.8	11
150	Al₂O₃ Colloidal Nanocrystals with Strong <scp>UV</scp> Emission. Journal of the American Ceramic Society, 2015, 98, 1818-1822.	1.9	6
151	The CO gas sensing properties of direct-patternable SnO₂ films containing graphene or Ag nanoparticles. New Journal of Chemistry, 2015, 39, 2256-2260.	1.4	20
152	TiO2coated microfluidic devices for recoverable hydrophilic and hydrophobic patterns. Journal of Micromechanics and Microengineering, 2015, 25, 035032.	1.5	13
153	Manganite-based memristive heterojunction with tunable non-linear Iâ€“V characteristics. Nanoscale, 2015, 7, 6444-6450.	2.8	29
154	Non-laminated growth of chlorine-doped zinc oxide films by atomic layer deposition at low temperatures. Journal of Materials Chemistry C, 2015, 3, 8336-8343.	2.7	22
155	Introduction of a Pore Connection Network into Mesoporous TiO2Films to Enhance CO Gas Sensitivity. Journal of the Electrochemical Society, 2015, 162, B180-B184.	1.3	4
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