Hyung-Ho Park

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

501 papers	6,844 citations	35 h-index	59 g-index
528 ext. papers	7,859 ext. citations	3.7 avg, IF	6.12 L-index

#	Paper	IF	Citations
501	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	16.7	7
500	Electric field induced Mott transition and bipolar resistive switching in La2Ti2O7-x thin film. *Applied Materials Today*, **2022**, 26, 101395	6.6	
499	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	6.6	2
498	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	6.7	2
497	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	14.7	12
496	Resistive switching properties for fluorine doped titania fabricated using atomic layer deposition. *APL Materials*, **2022**, 10, 031105	5.7	4
495	2D-2D lattice engineering route for intimately coupled nanohybrids of layered double hydroxide and potassium hexaniobate: Chemiresistive SO sensor.. *Journal of Hazardous Materials*, **2022**, 432, 128734	12.8	0
494	Ultralow dielectric cross-linked silica aerogel nanocomposite films for interconnect technology. *Applied Materials Today*, **2022**, 28, 101536	6.6	3
493	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, 193902	3.4	1
492	Polyoxotungstate intercalated self-assembled nanohybrids of Zn-Cr-LDH for room temperature Cl2 sensing. *Sensors and Actuators B: Chemical*, **2021**, 352, 131046	8.5	5
491	Nanocrystalline spinel zinc-substituted cobalt ferrite thick film an efficient ethanol sensor. *Materials Today Chemistry*, **2021**, 22, 100607	6.2	0
490	Influence of Tin Doped TiO Nanorods on Dye Sensitized Solar Cells. *Materials*, **2021**, 14,	3.5	1
489	Synthesis and Electrochemical Performance of Mesoporous NiMn2O4 Nanoparticles as an Anode for Lithium-Ion Battery. *Journal of Composites Science*, **2021**, 5, 69	3	1
488	Self-cleaned zirconia coatings prepared using a co-precursor sol–gel method. *Surface Engineering*, **2021**, 37, 1059-1066	2.6	4
487	Fabrication of a High-Performance Hybrid Supercapacitor Based on Hydrothermally Synthesized Highly Stable Cobalt Manganese Phosphate Thin Films. *Langmuir*, **2021**, 37, 5260-5274	4	10
486	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	5.1	1
485	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	6.7	8

484	Mechanical modeling and simulation of aerogels: A review. *Ceramics International*, **2021**, 47, 2981-2998	5.1	11
483	Porous organic filler for high efficiency of flexible thermoelectric generator. *Nano Energy*, **2021**, 81, 105604	17.1	19
482	Zirconia Coatings as Efficient Soil Moisture Sensors for Water Irrigation. *IEEE Sensors Journal*, **2021**, 1-1	4	0
481	High-efficiency quantum dot light-emitting diodes based on Li-doped TiO nanoparticles as an alternative electron transport layer. *Nanoscale*, **2021**, 13, 2838-2842	7.7	5
480	Structural, morphological, and optical studies of hydrothermally synthesized Nb-added TiO2 for DSSC application. *Ceramics International*, **2021**, 47, 25580-25592	5.1	5
479	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	3.6	2
478	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	3.1	1
477	Ultrasonically dispersed ultrathin g-C3N4 nanosheet/BaBi2Nb2O9 heterojunction photocatalysts for efficient photocatalytic degradation of organic pollutant. *Journal of Alloys and Compounds*, **2021**, 884, 161037	5.7	4
476	Effect of Hydrogen Doping on the Gate-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	1.6	3
475	Ambient Pressure-Dried Zirconia Xerogels and Aerogels Using Various Catalysts. *Macromolecular Symposia*, **2021**, 400, 2100013	0.8	
474	Preparation and Characterization of Zinc Oxide Nanoparticles Using Leaf Extract of Sambucus ebulus. *Applied Sciences (Switzerland)*, **2020**, 10, 3620	2.6	85
473	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	6	4
472	Carrier Modulation in Bi2Te3-Based Alloys via Interfacial Doping with Atomic Layer Deposition. *Coatings*, **2020**, 10, 572	2.9	6
471	Mapping thermoelectric properties of polycrystalline n-type Bi2Te3-xSex alloys by composition and doping level. *Journal of Alloys and Compounds*, **2020**, 844, 155828	5.7	5
470	Film thickness effect in c-axis oxygen vacancy-passivated ZnO prepared via atomic layer deposition by using H2O2. *Applied Surface Science*, **2020**, 529, 147095	6.7	4
469	Structural and mechanical properties of hybrid silica aerogel formed using triethoxy(1-phenylethenyl)silane. *Microporous and Mesoporous Materials*, **2020**, 298, 110092	5.3	14
468	Dielectric properties of BaTiO3 nanocrystals synthesized by ambient-condition-sol process at low temperatures. *Journal of the Korean Ceramic Society*, **2020**, 57, 213-219	2.2	4
467	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	5.7	20

466	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	1.3	11
465	Synthesis of multi-functional porous superhydrophobic trioxybenzene cross-linked silica aerogels with improved textural properties. *Ceramics International*, **2020**, 46, 17969-17977	5.1	2
464	Dioxybenzene-bridged hydrophobic silica aerogels with enhanced textural and mechanical properties. *Microporous and Mesoporous Materials*, **2020**, 294, 109863	5.3	9
463	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	3.1	10
462	Influence of Various Sol□Gel Parameters on the Physico-Chemical Properties of Sulfuric Acid Chelated Zirconia Aerogels Dried at Ambient Pressure. *Macromolecular Symposia*, **2020**, 393, 2000025	0.8	2
461	ZnO Nanocrystal Thin Films for Quantum-Dot Light-Emitting Devices. *ACS Applied Nano Materials*, **2020**, 3, 7535-7542	5.6	2
460	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	8.5	
459	Comparisonal studies of surface modification reaction using various silylating agents for silica aerogel. *Journal of Sol-Gel Science and Technology*, **2020**, 96, 346-359	2.3	1
458	Electrochemically Synthesized Nanoflowers to Nanosphere-Like NiCuSe2 Thin Films for Efficient Supercapacitor Application. *Metals*, **2020**, 10, 1698	2.3	8
457	Hydrophobic TiO2□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	5.1	32
456	Enhanced thermal stability of Bi2Te3-based alloys via interface engineering with atomic layer deposition. *Journal of the European Ceramic Society*, **2020**, 40, 3592-3599	6	5
455	Effects of compression and controlled selenization on powder-fabricated Cu(In,Ga)Se2 thin films. *Applied Surface Science*, **2019**, 475, 158-161	6.7	2
454	SnO2 aerogel deposited onto polymer-derived carbon foam for environmental remediation. *Journal of Molecular Liquids*, **2019**, 287, 110990	6	20
453	Ti doping effects on the Seebeck coefficient and electrical conductivity of mesoporous ZnO thin film. *Materials Chemistry and Physics*, **2019**, 235, 121757	4.4	7
452	Temperature Effects on Electromechanical Response of Deposited Piezoelectric Sensors Used in Structural Health Monitoring of Aerospace Structures. *Sensors*, **2019**, 19,	3.8	11
451	An evaluation of fluorinated titanium oxide nanocrystals with UV exposure treatment for oxygen vacancy control. *Applied Surface Science*, **2019**, 489, 824-830	6.7	2
450	Microwave permittivity of MWCNT, Ca1 □xBaxBi2Nb2O9 (0≦x≦1) and MWCNT/ Ca1 □xBaxBi2Nb2O9 (0≦x≦1) layered composite thick films using microstrip ring resonator overlay method. *Journal of Electroceramics*, **2019**, 43, 64-72	1.5	1
449	The thermoelectric properties of Au nanoparticle-incorporated Al-doped mesoporous ZnO thin films. *Royal Society Open Science*, **2019**, 6, 181799	3.3	5

448	Control of electrical conductivity of highly stacked zinc oxide nanocrystals by ultraviolet treatment. *Scientific Reports*, **2019**, 9, 6244	4.9	14
447	Facile Synthesis of SnO□Aerogel/Reduced Graphene Oxide Nanocomposites via in Situ Annealing for the Photocatalytic Degradation of Methyl Orange. *Nanomaterials*, **2019**, 9,	5.4	35
446	Flexible and lightweight Fe3O4/polymer foam composites for microwave-absorption applications. *Journal of Alloys and Compounds*, **2019**, 805, 120-129	5.7	35
445	Mott-transition-based RRAM. *Materials Today*, **2019**, 28, 63-80	21.8	24
444	Atomic layer deposition of SnO2 thin films using tetraethyltin and H2O2. *Ceramics International*, **2019**, 45, 20600-20605	5.1	6
443	Preparation of Sodium Silicate□Based Aerogels Using a Two-Step Sol□Gel Process and Ambient Pressure Drying. *Macromolecular Symposia*, **2019**, 387, 1800226	0.8	6
442	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	2.2	2
441	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	5.3	23
440	Synthesis and Properties of Metal Oxide Aerogels via Ambient Pressure Drying. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 1217-1227	1.3	5
439	Polypropylene/Silica Aerogel Composite Incorporating a Conformal Coating of Methyltrimethoxysilane-Based Aerogel. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 1376-1381	1.3	5
438	Enhanced photocatalytic activity of a mesoporous TiO2 aerogel decorated onto three-dimensional carbon foam. *Journal of Molecular Liquids*, **2019**, 277, 424-433	6	34
437	Study on properties of Ga/F-co-doped ZnO thin films prepared using atomic layer deposition. *Thin Solid Films*, **2018**, 660, 913-919	2.2	14
436	Impurity-free, mechanical doping for the reproducible fabrication of the reliable n-type Bi2Te3-based thermoelectric alloys. *Acta Materialia*, **2018**, 150, 153-160	8.4	16
435	Low temperature method to passivate oxygen vacancies in un-doped ZnO films using atomic layer deposition. *Thin Solid Films*, **2018**, 660, 852-858	2.2	10
434	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	4.4	5
433	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, 031504	2.9	11
432	Characterization of mesoporous silica thin films for application to thermal isolation layer. *Thin Solid Films*, **2018**, 660, 715-719	2.2	5
431	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	2.1	4

430	Hollow Pt-Functionalized SnO Hemipill Network Formation Using a Bacterial Skeleton for the Noninvasive Diagnosis of Diabetes. *ACS Sensors*, **2018**, 3, 661-669	9.2	30
429	Effect of mesopore-induced strain/stress on the thermoelectric properties of mesoporous ZnO thin films. *Applied Surface Science*, **2018**, 446, 160-167	6.7	8
428	Microwave dielectric properties of barium substituted screen printed CaBi2Nb2O9 ceramic thick films. *Ceramics International*, **2018**, 44, 7515-7523	5.1	24
427	N-doped Al2O3 thin films deposited by atomic layer deposition. *Thin Solid Films*, **2018**, 660, 657-662	2.2	12
426	Zirconia-based alumina compound aerogels with enhanced mesopore structure. *Ceramics International*, **2018**, 44, 10579-10584	5.1	9
425	Tunable Dielectric Properties of Poly(vinylidenefluoride-co-hexafluoropropylene) Films with Embedded Fluorinated Barium Strontium Titanate Nanoparticles. *Scientific Reports*, **2018**, 8, 4086	4.9	8
424	All villi-like metal oxide nanostructures-based chemiresistive electronic nose for an exhaled breath analyzer. *Sensors and Actuators B: Chemical*, **2018**, 257, 295-302	8.5	40
423	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	6	17
422	Evolution of textural characteristics of surfactant-mediated mesoporous zirconia aerogel powders prepared via ambient pressure drying route. *International Nano Letters*, **2018**, 8, 221-228	5.7	6
421	Structural, morphological, and magnetic properties of ZnxCo1-xFe2O4 (0≤x≤1) prepared using a chemical co-precipitation method. *Ceramics International*, **2018**, 44, 20782-20789	5.1	16
420	PZT/PZT and PZT/BiT Composite Piezo-Sensors in Aerospace SHM Applications: Photochemical Metal Organic + Infiltration Deposition and Characterization. *Sensors*, **2018**, 19,	3.8	11
419	Ambient pressure dried tetrapropoxysilane-based silica aerogels with high specific surface area. *Solid State Sciences*, **2018**, 75, 63-70	3.4	26
418	Facile synthesis of hydrophobic, thermally stable, and insulative organically modified silica aerogels using co-precursor method. *Ceramics International*, **2018**, 44, 3966-3972	5.1	31
417	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	3.8	18
416	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	2.3	15
415	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	5.7	7
414	Methods for distinguishing Mott transitions from Anderson transitions. *International Journal of Nanotechnology*, **2018**, 15, 493	1.5	
413	Methyltrimethoxysilane silica aerogel composite with carboxyl-functionalised multi-wall carbon nanotubes. *International Journal of Nanotechnology*, **2018**, 15, 587	1.5	1

412	Superhydrophobic and Compressible Silica-polyHIPE Covalently Bonded Porous Networks via Emulsion Templating for Oil Spill Cleanup and Recovery. *Scientific Reports*, **2018**, 8, 16783	4.9	16
411	Structural and electrochemical properties of SnO2-carbon composite aerogels for Li-ion battery anode material. *Solid State Ionics*, **2018**, 327, 76-82	3.3	9
410	Study of the effect of stress/strain of mesoporous Al-doped ZnO thin films on thermoelectric properties. *Solid State Sciences*, **2018**, 82, 84-91	3.4	20
409	Enhanced microwave absorption of screen-printed multiwalled carbon nanotube/Ca1□BaxBi2Nb2O9 (0□□) multilayered thick film composites. *Journal of Alloys and Compounds*, **2018**, 765, 878-887	5.7	13
408	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	2.3	15
407	Flexible piezoelectric micromachined ultrasonic transducer (pMUT) for application in brain stimulation. *Microsystem Technologies*, **2017**, 23, 2321-2328	1.7	22
406	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	6.7	3
405	Humidity-Tolerant Single-Stranded DNA-Functionalized Graphene Probe for Medical Applications of Exhaled Breath Analysis. *Advanced Functional Materials*, **2017**, 27, 1700068	15.6	29
404	Flexible, elastic, and superhydrophobic silica-polymer composite aerogels by high internal phase emulsion process. *Composites Science and Technology*, **2017**, 147, 45-51	8.6	30
403	Ultrasonically assisted synthesis of lead oxide nanoflowers using ball milling. *International Nano Letters*, **2017**, 7, 149-155	5.7	2
402	Hydrophobic silica composite aerogels using poly(methyl methacrylate) by rapid supercritical extraction process. *Journal of Sol-Gel Science and Technology*, **2017**, 83, 692-697	2.3	16
401	Screen printed carbon nanotube thick film on alumina substrate. *Ceramics International*, **2017**, 43, 4612-4617	3.1	14
400	Evaluation of Na2TiO3 formation for producing crystalline BaTiO3 nanoparticles by liquid□solid□solution process at low temperature. *Journal of Alloys and Compounds*, **2017**, 695, 2160-2164	5.7	4
399	Quantum Dot-Based Light Emitting Diodes (QDLEDs): New Progress **2017**,		2
398	Efficient blue luminescence from HfO2 colloidal nanocrystals. *Materials Express*, **2017**, 7, 72-78	1.3	4
397	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	5.7	5
396	Phonon-glass electron-crystals in ZnO-multiwalled carbon nanotube nanocomposites. *Nanoscale*, **2017**, 9, 12941-12948	7.7	14
395	Effect of cationic and non-ionic surfactants on the microstructure of ambient pressure dried zirconia aerogel. *Materials Express*, **2017**, 7, 291-298	1.3	8

394	Improvement in the high temperature thermal insulation performance of Y2O3 opacified silica aerogels. *Journal of Alloys and Compounds*, **2017**, 727, 871-878	5.7	26
393	Flexible and Transparent Silica Aerogels: An Overview. *Journal of the Korean Ceramic Society*, **2017**, 54, 184-199	2.2	60
392	Impact of nanostructured thin ZnO film in ultraviolet protection. *International Journal of Nanomedicine*, **2017**, 12, 207-216	7.3	55
391	Monolithic and shrinkage-free hydrophobic silica aerogels via new rapid supercritical extraction process. *Journal of Supercritical Fluids*, **2016**, 107, 84-91	4.2	41
390	One-step surface selective modification of UV-curable hard coatings with photochemical metal organics. *Applied Surface Science*, **2016**, 389, 882-888	6.7	1
389	Effect of thermal treatment on the textural properties and thermal stability of surface modified zirconia aerogel powders. *International Journal of Nanotechnology*, **2016**, 13, 452	1.5	4
388	Effect of Pt doping in mesoporous TiO2 thin films on their electrical property. *International Journal of Nanotechnology*, **2016**, 13, 463	1.5	0
387	Chemiresistive Electronic Nose toward Detection of Biomarkers in Exhaled Breath. *ACS Applied Materials & Interfaces*, **2016**, 8, 20969-76	9.5	87
386	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	3.9	46
385	Fluorine ligand exchange effect in poly (vinylidenefluoride-co-hexafluoropropylene) with embedded fluorinated barium titanate nanoparticles. *Thin Solid Films*, **2016**, 619, 17-24	2.2	8
384	Wavelength-tunable visible to near-infrared photoluminescence of carbon dots: the role of quantum confinement and surface states. *Journal of Nanophotonics*, **2016**, 10, 026028	1.1	13
383	Tunneling Electroresistance Effect with Diode Characteristic for Cross-Point Memory. *ACS Applied Materials & Interfaces*, **2016**, 8, 15476-81	9.5	10
382	Enhanced Charge Transport in ZnO Nanocomposite Through Interface Control Using Multiwall Carbon Nanotubes. *Journal of the American Ceramic Society*, **2016**, 99, 2077-2082	3.8	7
381	The oxygen-deficiency-dependent Seebeck coefficient and electrical properties of mesoporous La0.7Sr0.3MnO3□ films. *Journal of Materials Chemistry A*, **2016**, 4, 4433-4439	13	9
380	Glancing angle deposited WO3 nanostructures for enhanced sensitivity and selectivity to NO2 in gas mixture. *Sensors and Actuators B: Chemical*, **2016**, 229, 92-99	8.5	25
379	The Effect of Mesoporous Structure on the Thermoelectric Properties of Nonstoichiometric La-Doped SrTiO3. *Journal of the Electrochemical Society*, **2016**, 163, E155-E158	3.9	7
378	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		5
377	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		3

376	Barium Titanate Nanoparticles Formed by Chlorine-Free Ambient Condition Sol Process Using Tetrabutylammonium Hydroxide. *Journal of Nanomaterials*, **2016**, 2016, 1-7	3.2	3
375	Dielectric properties of poly(4-vinylphenol) with embedded PbO nanoparticles. *Polymers for Advanced Technologies*, **2016**, 27, 245-249	3.2	9
374	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, 01A144	2.9	9
373	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	5.7	23
372	Highly stable colloidal TiO2 nanocrystals with strong violet-blue emission. *Journal of Luminescence*, **2016**, 178, 89-93	3.8	14
371	Highly stable and efficient green luminescent CdS colloidal nanocrystals. *Journal of Nanophotonics*, **2016**, 10, 026017	1.1	2
370	Microstructural characteristics of SrTiO3 nanoparticles: the role of capping ligand concentration. *Micro and Nano Letters*, **2016**, 11, 273-276	0.9	2
369	Evaluation of a ferroelectric tunnel junction by ultraviolet-visible absorption using a removable liquid electrode. *Nanotechnology*, **2016**, 27, 215704	3.4	
368	Electrical properties of UV-irradiated thick film piezo-sensors on superalloy IN718 using photochemical metal organic deposition. *Thin Solid Films*, **2016**, 616, 673-679	2.2	6
367	Al2O3 Colloidal Nanocrystals with Strong UV Emission. *Journal of the American Ceramic Society*, **2015**, 98, 1818-1822	3.8	4
366	The CO gas sensing properties of direct-patternable SnO2 films containing graphene or Ag nanoparticles. *New Journal of Chemistry*, **2015**, 39, 2256-2260	3.6	18
365	TiO2coated microfluidic devices for recoverable hydrophilic and hydrophobic patterns. *Journal of Micromechanics and Microengineering*, **2015**, 25, 035032	2	9
364	Manganite-based memristive heterojunction with tunable non-linear I-V characteristics. *Nanoscale*, **2015**, 7, 6444-50	7.7	24
363	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	7.1	19
362	Introduction of a Pore Connection Network into Mesoporous TiO2Films to Enhance CO Gas Sensitivity. *Journal of the Electrochemical Society*, **2015**, 162, B180-B184	3.9	4
361	Electromagnetic interference shielding behaviors of Zn-based conducting oxide films prepared by atomic layer deposition. *Thin Solid Films*, **2015**, 583, 226-232	2.2	8
360	The effect of MWCNTs on the electrical properties of a stretchable carbon composite electrode. *Composites Science and Technology*, **2015**, 114, 11-16	8.6	13
359	Anisotropy of the thermoelectric figure of merit (ZT) in textured Ca3Co4O9 ceramics prepared by using a spark plasma sintering process. *Journal of the Korean Physical Society*, **2015**, 66, 794-799	0.6	16

358	Fluorous-inorganic hybrid dielectric materials for solution-processed electronic devices. *New Journal of Chemistry*, **2015**, 39, 836-842	3.6	12
357	Structural, Electrical, and Optical Properties of Photochemical Metal-Organic-Deposited ZnO Thin Films Incorporated with Ag Nanoparticles and Graphene. *ECS Journal of Solid State Science and Technology*, **2015**, 4, N55-N59	2	5
356	Hybrid fabrication of piezoelectric thick films using a sol-infiltration and photosensitive direct-patterning technique. *Journal of Materials Science*, **2015**, 50, 3845-3853	4.3	1
355	Ferroelectric Tunnel Junction for Dense Cross-Point Arrays. *ACS Applied Materials & Interfaces*, **2015**, 7, 22348-54	9.5	10
354	Effect of water ethanol solvents mixture on textural and gas sensing properties of tin oxide prepared using epoxide-assisted sol□gel process and dried at ambient pressure. *Solid State Sciences*, **2015**, 50, 1-8	3.4	18
353	Manganite based hetero-junction structure of La0.7Sr(0.7-x)CaxMnO3 and CaMnO(3-□for cross-point arrays. *Nanotechnology*, **2015**, 26, 275704	3.4	
352	Selective photochemical synthesis of Ag nanoparticles on position-controlled ZnO nanorods for the enhancement of yellow-green light emission. *Nanoscale*, **2015**, 7, 20717-24	7.7	14
351	Anion-controlled passivation effect of the atomic layer deposited ZnO films by F substitution to O-related defects on the electronic band structure for transparent contact layer of solar cell applications. *Solar Energy Materials and Solar Cells*, **2015**, 132, 403-409	6.4	33
350	In Situ Incorporation of Pt Nanoparticles in Fluorine-doped SnO2 Nanocomposite Thin Films by a One-step Synthesis. *Chemistry Letters*, **2015**, 44, 782-784	1.7	
349	Electrical Properties of Mesoporous TiO2 Nanocomposite Thin Films Incorporated with Au Nanoparticles by Simple One-pot Synthesis. *Chemistry Letters*, **2015**, 44, 1485-1487	1.7	2
348	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	3.4	1
347	Band Structure Analysis of La0.7Sr0.3MnO3Perovskite Manganite Using a Synchrotron. *Advances in Condensed Matter Physics*, **2015**, 2015, 1-7	1	14
346	Thickness and thermal processing contribution on piezoelectric characteristics of Pb(Zr-Ti)O3 thick films deposited on curved IN738 using sol□gel technique. *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, **2015**, 229, 511-521	1.3	4
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