Yong Soo Cho

List of Publications by Year
in descending order

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132	2,122	279701	330025
papers	citations	23 h-index	37 g-index

136	136	136	2665
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High Quality Mn-Doped (Na,K)NbO₃ Nanofibers for Flexible Piezoelectric Nanogenerators. ACS Applied Materials & Interfaces, 2014, 6, 10576-10582.	4.0	142
2	Stress-induced anomalous shift of optical band gap in ZnO:Al thin films. Applied Physics Letters, 2009, 95, .	1.5	129
3	(Na,K)NbO3 nanoparticle-embedded piezoelectric nanofiber composites for flexible nanogenerators. Composites Science and Technology, 2015, 111, 1-8.	3.8	104
4	A review on binary metal sulfide heterojunction solar cells. Solar Energy Materials and Solar Cells, 2019, 200, 109963.	3.0	82
5	Origin of the enhanced photovoltaic characteristics of PbS thin film solar cells processed at near room temperature. Journal of Materials Chemistry A, 2014, 2, 20112-20117.	5.2	80
6	Origin of high piezoelectricity of inorganic halide perovskite thin films and their electromechanical energy-harvesting and physiological current-sensing characteristics. Energy and Environmental Science, 2020, 13, 2077-2086.	15.6	54
7	Influences of Particle Size of Alumina Filler in an LTCC System. Journal of the American Ceramic Society, 2007, 90, 649-652.	1.9	44
8	Thickness-dependent fracture behaviour of flexible ZnOâ€‰:â€‰Al thin films. Journal Physics D: Applied Physics, 2011, 44, 025401.	1.3	39
9	In-situ stretching strain-driven high piezoelectricity and enhanced electromechanical energy-harvesting performance of a ZnO nanorod-array structure. Nano Energy, 2020, 72, 104735.	8.2	38
10	Single elementary target-sputtered Cu2ZnSnSe4 thin film solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 136-141.	3.0	36
11	Enhanced Fracture Resistance of Flexible ZnO:Al Thin Films in Situ Sputtered on Bent Polymer Substrates. ACS Applied Materials & Interfaces, 2015, 7, 17569-17572.	4.0	35
12	Long-Term Stable, Low-Temperature Remote Silicate Phosphor Thick Films Printed on a Glass Substrate. ACS Combinatorial Science, 2015, 17, 234-238.	3.8	31
13	Dielectric and Grainâ€Boundary Characteristics of Hot Pressed CaCu₃Ti₄O₁₂. Journal of the American Ceramic Society, 2010, 93, 2419-2422.	1.9	30
14	Characteristics of Cu2ZnSnSe4 and Cu2ZnSn(Se,S)4 absorber thin films prepared by post selenization and sequential sulfurization of co-evaporated Cuâ€“Znâ€“Sn precursors. Journal of Alloys and Compounds, 2013, 579, 279-283.	2.8	30
15	Enhanced optical and piezoelectric characteristics of transparent Ni-doped BiFeO₃ thin films on a glass substrate. RSC Advances, 2016, 6, 16602-16607.	1.7	29
16	Piezoelectric energy harvesting and charging performance of Pb(Zn1/3Nb2/3)O3â€“Pb(Zr0.5Ti0.5)O3 nanoparticle-embedded P(VDF-TrFE) nanofiber composite sheets. Composites Science and Technology, 2018, 168, 296-302.	3.8	29
17	Chemical stability and dielectric properties of ROâ€“La2O3â€“B2O3 (R=Ca, Mg, Zn)-based ceramics. Materials Research Bulletin, 2008, 43, 361-369.	2.7	28
18	Crystallization and surface segregation in CuIn0.7Ga0.3Se2 thin films on Cu foils grown by pulsed laser deposition. Applied Surface Science, 2010, 256, 6819-6823.	3.1	26

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19	Origin of in Situ Domain Formation of Heavily Nb-Doped Pb(Zr,Ti)O₃ Thin Films Sputtered on Ir/TiW/SiO₂/Si Substrates for Mobile Sensor Applications. ACS Applied Materials & Interfaces, 2017, 9, 18904-18910.	4.0	25
20	Phase Evolution and Microwave Dielectric Properties of Lanthanum Borate-Based Low-Temperature Co-Fired Ceramics Materials. Journal of the American Ceramic Society, 2006, 89, 060428035142031-???.	1.9	24
21	Effects of various oxide fillers on physical and dielectric properties of calcium aluminoborosilicate-based dielectrics. Journal of Electroceramics, 2009, 23, 185-190.	0.8	24
22	Iron pyrite thin films deposited via non-vacuum direct coating of iron-salt/ethanol-based precursor solutions. Journal of Materials Chemistry A, 2014, 2, 17779-17786.	5.2	24
23	Enhanced Luminescence Characteristics of Remote Yellow Silicate Phosphors Printed on Nanoscale Surface-Roughened Glass Substrates for White Light-Emitting Diodes. Advanced Optical Materials, 2016, 4, 1081-1087.	3.6	24
24	Enhanced electrical properties of pulsed laser-deposited CuIn0.7Ga0.3Se2 thin films via processing control. Solar Energy, 2010, 84, 2213-2218.	2.9	23
25	High-Efficiency Double Absorber PbS/CdS Heterojunction Solar Cells by Enhanced Charge Collection Using a ZnO Nanorod Array. ACS Omega, 2017, 2, 4894-4899.	1.6	23
26	Direct Correlations of Grain Boundary Potentials to Chemical States and Dielectric Properties of Doped CaCu₃Ti₄O₁₂ Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 16203-16209.	4.0	23
27	Effect of band-aligned double absorber layers on photovoltaic characteristics of chemical bath deposited PbS/CdS thin film solar cells. Scientific Reports, 2015, 5, 14353.	1.6	22
28	Structural, optical and electrical impacts of marcasite in pyrite thin films. Solar Energy, 2018, 159, 930-939.	2.9	22
29	Anisotropic In Situ Strainâ€Engineered Halide Perovskites for High Mechanical Flexibility. Advanced Functional Materials, 2021, 31, 2007131.	7.8	22
30	Origin of enhanced piezoelectric energy harvesting in all-polymer-based coreâ€“shell nanofibers with controlled shell-thickness. Composites Part B: Engineering, 2021, 223, 109141.	5.9	22
31	AlN Passivation Layer-Mediated Improvement in Tensile Failure of Flexible ZnO:Al Thin Films. ACS Applied Materials & Interfaces, 2010, 2, 2471-2474.	4.0	21
32	Mechanical and piezoelectric properties of surface modified (Na,K)NbO3-based nanoparticle-embedded piezoelectric polymer composite nanofibers for flexible piezoelectric nanogenerators. Nano Energy, 2021, 79, 105445.	8.2	21
33	Tensile Stress-Dependent Fracture Behavior and Its Influences on Photovoltaic Characteristics in Flexible PbS/CdS Thin-Film Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 4573-4578.	4.0	20
34	Preparation and visible-light photocatalysis of hollow rock-salt TiO1â^'xNx nanoparticles. Journal of Materials Chemistry A, 2013, 1, 3639.	5.2	19
35	Origin of high piezoelectricity in carbon nanotube/halide nanocrystal/P(VDF-TrFE) composite nanofibers designed for bending-energy harvesters and pressure sensors. Nano Energy, 2022, 99, 107421.	8.2	19
36	Enhanced dielectric and tunable characteristics of K-doped Ba0.5Sr0.5TiO3 thin films prepared by pulsed laser deposition. Thin Solid Films, 2013, 527, 267-272.	0.8	18

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37	Improved Photovoltaic Characteristics and Grain Boundary Potentials of CuIn_{0.7}Ga_{0.3}Se₂ Thin Films Spin-Coated by Na-Dissolved Nontoxic Precursor Solution. ACS Applied Materials & Interfaces, 2016, 8, 17011-17015.	4.0	18
38	Shrinkage behavior of LTCC hetero-laminates. Journal of the European Ceramic Society, 2009, 29, 711-716.	2.8	17
39	Effect of Zn and Ca modifications on crystallization and microwave dielectric properties of lanthanum borates. Journal of Alloys and Compounds, 2011, 509, 849-853.	2.8	17
40	Doped SnO₂ Transparent Conductive Multilayer Thin Films Explored by Continuous Composition Spread. ACS Combinatorial Science, 2015, 17, 247-252.	3.8	17
41	UV-curable silicate phosphor planar films printed on glass substrate for white light-emitting diodes. Optics Letters, 2015, 40, 3723.	1.7	17
42	Origin of Abnormal Dielectric Behavior and Chemical States in Amorphous CaCu₃Ti₄O₁₂ Thin Films on a Flexible Polymer Substrate. Chemistry of Materials, 2017, 29, 5915-5921.	3.2	17
43	Anisotropic in-situ stretching-strain engineering of flexible multilayer thin-film nanogenerators with Cu interlayers. Nano Energy, 2021, 82, 105690.	8.2	17
44	Calcium Aluminoborosilicateâ€Based Dielectrics Containing CaCu₃Ti₄O₁₂ as a Filler. Journal of the American Ceramic Society, 2010, 93, 2334-2338.	1.9	16
45	Effect of double substitutions of Cd and Cu on optical band gap and electrical properties of non-colloidal PbS thin films. Journal of Alloys and Compounds, 2016, 685, 129-134.	2.8	16
46	In Situ Synthesis of Bimetallic Tungsten-Copper Nanoparticles via Reactive Radio-Frequency (RF) Thermal Plasma. Nanoscale Research Letters, 2018, 13, 220.	3.1	16
47	Full Range Dielectric Characteristics of Calcium Copper Titanate Thin Films Prepared by Continuous Composition-Spread Sputtering. ACS Combinatorial Science, 2014, 16, 478-484.	3.8	15
48	Electric-Field-Dependent Surface Potentials and Vibrational Energy-Harvesting Characteristics of Bi(Na_{0.5}Ti_{0.5})O₃-Based Pb-Free Piezoelectric Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 13244-13250.	4.0	15
49	Highly efficient flexible CuIn0.7Ga0.3Se2 solar cells with a thick Na/Mo layer deposited directly on stainless steel. Applied Surface Science, 2015, 346, 562-566.	3.1	14
50	Plasmonic-Enhanced Luminescence Characteristics of Microscale Phosphor Layers on a ZnO Nanorod-Arrayed Glass Substrate. ACS Applied Materials & Interfaces, 2019, 11, 1004-1012.	4.0	14
51	Contribution of Anisotropic Latticeâ€Strain to Piezoelectricity and Electromechanical Power Generation of Flexible Inorganic Halide Thin Films. Advanced Energy Materials, 2022, 12, .	10.2	14
52	Enhanced Quality Factor of Zinc Lanthanum Borates-Based Dielectrics via the Control of ZnO/B2O3Ratio. Journal of the American Ceramic Society, 2010, 93, 334-337.	1.9	13
53	White luminescence characteristics of red/green silicate phosphor-glass thick film layers printed on glass substrate. Optical Materials Express, 2016, 6, 938.	1.6	13
54	Flexible piezoelectric energy generators based on P(VDF-TrFE) nanofibers. Materials Research Express, 2019, 6, 086311.	0.8	13

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55	Spatial Variation in Structural, Morphological and Optical Properties of Aluminum-Doped ZnO Thin Films Grown by 30Â°-Incident Radio Frequency Magnetron Sputtering. Journal of the Electrochemical Society, 2011, 158, P30.	1.3	12
56	Insertion of Vertically Aligned Nanowires into Living Cells by Inkjet Printing of Cells. Small, 2016, 12, 1446-1457.	5.2	12
57	Experimental Demonstration of in Situ Stress-Driven Optical Modulations in Flexible Semiconducting Thin Films with Enhanced Photodetecting Capability. Chemistry of Materials, 2018, 30, 7776-7781.	3.2	12
58	Phase evolution and Sn-substitution in LiMn2O4 thin films prepared by pulsed laser deposition. Journal of Electroceramics, 2009, 23, 200-205.	0.8	11
59	Bismuth Borosilicateâ€Based Thick Film Passivation of Ag Grid for Largeâ€Area Dyeâ€Sensitized Solar Cells. Journal of the American Ceramic Society, 2010, 93, 1554-1556.	1.9	11
60	Thickness-dependent tunable characteristics of (Ba0.5Sr0.5)0.925K0.075TiO3 thin films prepared by pulsed laser deposition. Current Applied Physics, 2012, 12, 654-658.	1.1	11
61	In Situ Magnetic Field-Assisted Low Temperature Atmospheric Growth of GaN Nanowires via the Vaporâ€“Liquidâ€“Solid Mechanism. ACS Applied Materials & Interfaces, 2014, 6, 116-121.	4.0	11
62	Origin of Prestress-Driven Optical Modulations of Flexible ZnO Thin Films Processed in Stretching Mode. Journal of Physical Chemistry Letters, 2018, 9, 5934-5939.	2.1	11
63	Enhanced CO Oxidation and Cyclic Activities in Three-Dimensional Platinum/Indium Tin Oxide/Carbon Black Electrocatalysts Processed by Cathodic Arc Deposition. ACS Applied Materials & Interfaces, 2019, 11, 25179-25185.	4.0	11
64	Large-Scale Self-Limiting Synthesis of Monolayer MoS₂ via Proximity Evaporation from Mo Films. Crystal Growth and Design, 2020, 20, 2698-2705.	1.4	11
65	Origin of the anisotropic-strain-driven photoresponse enhancement in inorganic halide-based self-powered flexible photodetectors. Materials Horizons, 2022, 9, 1207-1215.	6.4	11
66	Influences of alkali oxides on crystallization and dielectric properties of anorthite-based low temperature dielectrics. Journal of the Ceramic Society of Japan, 2008, 116, 825-828.	0.5	10
67	Effects of SiO2 interlayer on electrical properties of Al-doped ZnO films under bending stress. Electronic Materials Letters, 2012, 8, 375-379.	1.0	10
68	Prestress Driven Improvement in Fracture Behavior of in Situ Sputtered Zinc Oxide Thin Films on Stretched Polymer Substrates. ACS Applied Materials & Interfaces, 2015, 7, 14654-14659.	4.0	10
69	Quantitative analysis of improved bending fracture behavior of large-scale graphene monolayer-intervened flexible oxide thin films. Journal of Materials Chemistry C, 2018, 6, 6125-6131.	2.7	10
70	Structural and Raman Scattering Properties of ZnO:Al Thin Films Sputter-Deposited at Room Temperature. Journal of the Electrochemical Society, 2011, 159, H96-H101.	1.3	9
71	Surface scaling evolution and dielectric properties of sputter-deposited low loss Mg 2 SiO 4 thin films. Surface and Coatings Technology, 2013, 231, 229-233.	2.2	9
72	Enhanced piezoelectric and imprint characteristics of in situ sputtered Ta-doped Pb(Zr,Ti)O 3 thin films on Ir/TiW/SiO 2 /Si substrates. Journal of Alloys and Compounds, 2017, 720, 369-375.	2.8	9

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73	Quantitative analysis of bending fracture resistance of nanoscale Cu-buffered ZnO:Al thin films on a polymer substrate. Journal of Alloys and Compounds, 2018, 731, 49-54.	2.8	9
74	Na-Mediated Stoichiometry Control of FeS2 Thin Films: Suppression of Nanoscale S-Deficiency and Improvement of Photoresponse. ACS Applied Materials & Interfaces, 2019, 11, 43244-43251.	4.0	9
75	Study on LiI and KI with low melting temperature for electrolyte replenishment in molten carbonate fuel cells. International Journal of Hydrogen Energy, 2019, 44, 25930-25938.	3.8	9
76	In situ processed tungsten carbide/carbon black-supported platinum electrocatalysts for enhanced electrochemical stability and activity. Green Chemistry, 2020, 22, 2028-2035.	4.6	9
77	Densification, Crystallization, and Dielectric Properties of <scp><scp>AlN</scp></scp>,<scp><scp>BN</scp></scp>, and <scp><scp>Si</scp></scp>₃<scp><scp>N</scp></scp>₄ Fillerâ€Containing <scp>LTCC</scp> Materials. International Journal of Applied Ceramic Technology, 2013, 10, E25.	1.1	8
78	Piezoelectric Energy Harvesting Characteristics of GaN Nanowires Prepared by a Magnetic Field-Assisted CVD Process. Journal of the Korean Ceramic Society, 2016, 53, 167-170.	1.1	8
79	Microampere-level piezoelectric energy generation in Pb-free inorganic halide thin-film multilayers with Cu interlayers. Nano Energy, 2022, 92, 106785.	8.2	8
80	Crystallization behavior and microwave dielectric characteristics of ZnO-(La, Nd)2O3-B2O3-based dielectrics. Journal of Electroceramics, 2009, 23, 127-132.	0.8	7
81	Phase evolution and grain-boundary contributions in CaCu3â^'xZnxTi4O12. Electronic Materials Letters, 2011, 7, 337-341.	1.0	7
82	Enhanced PTCR Characteristics of 0.95BaTiO[sub 3]â€“0.05(Bi[sub 0.5]Na[sub 0.5])TiO[sub 3] Ceramics Fabricated by Modified Synthesis Process. Journal of the Electrochemical Society, 2011, 158, J27.	1.3	7
83	Flexible micro-scale UV-curable phosphor layers screen-printed on a polymer substrate for planar white light-emitting diodes. Materials Letters, 2018, 217, 124-126.	1.3	7
84	Enhanced dielectric properties and grain boundary potentials in sulfur-doped CaCu3Ti4O12 thin films. Journal of the European Ceramic Society, 2020, 40, 2375-2381.	2.8	7
85	Gadolinium Zinc Borate Glass-Based Low Temperature Co-fired Ceramics. Metals and Materials International, 2008, 14, 493-496.	1.8	6
86	Improved cycleability of LiMn2O4-based thin films by Sn substitution. Applied Physics Letters, 2008, 93, .	1.5	6
87	Improved electrochemical properties of Li(Ni0.7Co0.3)O2 cathode for lithium ion batteries with controlled sintering conditions. Journal of Applied Electrochemistry, 2009, 39, 671-679.	1.5	6
88	Barium Neodymium Titanium Borate Glassâ€Based High k Dielectrics. Journal of the American Ceramic Society, 2012, 95, 1356-1359.	1.9	6
89	Phase development, microstructure and optical properties of Cu 2 ZnSnSe 4 thin films modified with Pb and Ti. Surface and Coatings Technology, 2013, 231, 389-393.	2.2	6
90	Improved photovoltaic and grain boundary characteristics of single elementary target-sputtered Cu₂ZnSnSe₄ thin films by post sulfurization/selenization process. Journal Physics D: Applied Physics, 2015, 48, 245103.	1.3	6

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91	Crystallization and dielectric properties of low temperature dielectrics containing Li2O filler. Journal of Non-Crystalline Solids, 2008, 354, 3849-3853.	1.5	5
92	Structural and Electrical Characteristics of ZnO Thin Films on Polycrystalline AlN Substrates. Journal of the American Ceramic Society, 2009, 92, 665-670.	1.9	5
93	Phase evolution and enhanced dielectric properties of BaOÂ·Nd 2 O 3 Â·TiO 2 Â·B 2 O 3 glass-based dielectrics containing CaCu 3 Ti 4 O 12. Journal of Alloys and Compounds, 2012, 530, 40-47.	2.8	5
94	Chemically Driven Zero Shrinkage Dielectric Ceramics. Journal of the American Ceramic Society, 2012, 95, 1796-1798.	1.9	5
95	Corrosion behavior of highly-crystallizable BaOâ€“Nd2O3â€“TiO2â€“B2O3 glass-based composites. Corrosion Science, 2013, 66, 399-403.	3.0	5
96	Fabrication of surface-textured ZnO:Al/ITO bilayers with enhanced electrical and light-scattering properties. Solid State Sciences, 2014, 31, 75-80.	1.5	5
97	Optical and grain boundary potential characteristics of sulfurized BiFeO3 thin films for photovoltaic applications. Dalton Transactions, 2016, 45, 5598-5603.	1.6	5
98	Dielectric and currentâ€“voltage characteristics of flexible Ag/BaTiO₃ nanocomposite films processed at near room temperature. RSC Advances, 2017, 7, 56038-56043.	1.7	5
99	Balanced Performance Enhancements of aâ€InGaZnO Thin Film Transistors by Using Allâ€Amorphous Dielectric Multilayers Sandwiching Highâ€k CaCu 3 Ti 4 O 12. Advanced Electronic Materials, 2019, 5, 1900322.	2.6	5
100	Internal-field-dependent low-frequency piezoelectric energy harvesting characteristics of in situ processed Nb-doped Pb(Zr,Ti)O3 thin-film cantilevers. Journal of Alloys and Compounds, 2019, 781, 898-903.	2.8	5
101	Room-temperature processed Ag/Pb(Zn1/3Nb2/3)O3â€“Pb(Zr0.5Ti0.5)O3-based composites for printable piezoelectric energy harvesters. Composites Science and Technology, 2022, 218, 109151.	3.8	5
102	Effective Laser Sealing Enabled by Glass Thick Films Containing Carbon Black/Carbon Nanotubes. Journal of the American Ceramic Society, 2013, 96, 1113-1117.	1.9	4
103	Silicon Carbide Whiskerâ€Reinforced Ceramic Tape for Highâ€Power Components. International Journal of Applied Ceramic Technology, 2014, 11, 240-245.	1.1	4
104	RF power dependence of refractive index of room temperature sputtered ZnO:Al thin films. Applied Physics A: Materials Science and Processing, 2014, 115, 347-351.	1.1	4
105	Dielectric Characteristics of <scp>UV</scp>â€Curable CaCu₃Ti₄O₁₂ Composite Thick Film Capacitors on Cu Foils. International Journal of Applied Ceramic Technology, 2016, 13, 685-689.	1.1	4
106	Whiteâ€Lightâ€Emitting Diodes: Enhanced Luminescence Characteristics of Remote Yellow Silicate Phosphors Printed on Nanoscale Surfaceâ€Roughened Glass Substrates for White Lightâ€Emitting Diodes (Advanced Optical Materials 7/2016). Advanced Optical Materials, 2016, 4, 976-976.	3.6	4
107	Controlled post-sulfurization process for higher efficiency nontoxic solution-deposited CuIn0.7Ga0.3Se2 absorber thin films with graded bandgaps. Journal of Alloys and Compounds, 2017, 710, 177-181.	2.8	4
108	Densification behavior and electrical properties of carbon nanotube-Ni nanocomposite films for co-fireable microcircuit electrodes. Thin Solid Films, 2018, 660, 754-758.	0.8	4

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109	Effective two-step chemical deposition for homogeneous lead sulfide thin films on a flexible polymer substrate. Thin Solid Films, 2019, 679, 1-7.	0.8	4
110	Nanoampereâ€Level Piezoelectric Energy Harvesting Performance of Lithographyâ€Free Centimeterâ€Scale MoS₂ Monolayer Film Generators. Small, 2022, 18, e2200184.	5.2	4
111	Improvement of Temperature Coefficient of Frequency in Ba-deficient Ba5Nb4O15 Microwave Dielectrics. Journal of the Ceramic Society of Japan, 2007, 115, 978-981.	0.5	3
112	Refiring Performance of Calcium Aluminoborosilicate-Based Dielectrics. Journal of the American Ceramic Society, 2008, 91, 2727-2729.	1.9	3
113	Chemical durability of anorthite-based low temperature co-fired ceramics. Journal of the Ceramic Society of Japan, 2009, 117, 1138-1140.	0.5	3
114	Sputter-deposited low loss Mg2SiO4 thin films for multilayer hybrids. Thin Solid Films, 2013, 527, 250-254.	0.8	3
115	Nanoindentation and Bending Fracture Behavior of Flexible Sulfide Thin Films Grown at Near Room Temperature With in Situ Tensile/Compressive Stress. Advanced Engineering Materials, 2019, 21, 1801329.	1.6	3
116	Graphitic carbon-based core-shell platinum electrocatalysts processed using nickel nanoparticle template for oxygen reduction reaction. Applied Surface Science, 2020, 533, 147519.	3.1	3
117	Simple prismatic patterning approach for nearly room-temperature processed planar remote phosphor layers for enhanced white luminescence efficiency. Optical Materials Express, 2018, 8, 3230.	1.6	3
118	Micro-scale roughening of glass substrates using carbon nanotube-driven templates for enhancements in white luminescence characteristics. Optics Letters, 2017, 42, 5094.	1.7	3
119	Dielectric properties of the BaTiO3-AlN-additive system. Journal of Electroceramics, 2006, 17, 461-465.	0.8	2
120	Physical and dielectric properties of BaTiO3â€“fluorideâ€“glass systems for nitrogen-fireable embedded capacitors. Journal of Electroceramics, 2009, 23, 277-283.	0.8	2
121	Preparation and electrical properties of CuInSe₂ thin films by pulsed laser deposition using excess Se targets. Journal of Materials Research, 2010, 25, 1936-1942.	1.2	2
122	Unusual near-band-edge photoluminescence at room temperature in heavily-doped ZnO:Al thin films prepared by pulsed laser deposition. Materials Chemistry and Physics, 2013, 140, 610-615.	2.0	2
123	Spatial and RF power dependence of the structural and electrical characteristics of copper zinc tin selenide thin films prepared by single elementary target sputtering. Materials Chemistry and Physics, 2014, 148, 175-180.	2.0	2
124	Origin of the enhanced electrical characteristics of BaTiO3-based thermistors by sputtered Al and Niâ€“Cu buffer electrode films. Current Applied Physics, 2016, 16, 435-439.	1.1	2
125	Stretching-Driven Crystal Anisotropy and Optical Modulations of Flexible Wide Band Gap Inorganic Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 41516-41522.	4.0	2
126	Radio frequency thermal plasma-processed Ni-W nanostructures for printable microcircuit electrodes. Materials and Design, 2020, 191, 108590.	3.3	2

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127	Low-Temperature High-k Dielectrics for Embedded Microcircuit Systems. Journal of the Korean Physical Society, 2007, 51, 181.	0.3	2
128	Effect of transparent polymer encapsulation overlayers on bending fracture behavior of flexible organic lead halide perovskite thin films. Journal of Alloys and Compounds, 2022, 908, 164607.	2.8	2
129	Large Localâ€Compressive Stressâ€Induced Improvements in Piezoelectric Characteristics of Lead Zirconate Titanate Thin Films on a Ni Nanodots Array. Advanced Electronic Materials, 2018, 4, 1800081.	2.6	1
130	Thick Film Capacitors with Variable Tc on Cu Foils. Materials Research Society Symposia Proceedings, 2008, 1075, 1.	0.1	0
131	Boron Nitride-Based Overcoat Thick Films for MoSi2Planar Heating Elements. Journal of the American Ceramic Society, 2009, 92, 1867-1870.	1.9	0
132	Giant dielectric constant and tunable phaseâ€transition characteristics of ZnF 2 /BaF 2 â€modified BaTiO 3 thick films. International Journal of Applied Ceramic Technology, 2019, 16, 862-867.	1.1	0