

List of Publications by Citations

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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.

307 papers	5,649 citations	39 h-index	60 g-index
329 ext. papers	6,949 ext. citations	5.4 avg, IF	5.8 L-index

#	Paper	IF	Citations
307	Ultrasensitive and Broadband MoS <sub>2</sub> Photodetector Driven by Ferroelectrics. <i>Advanced Materials</i> , <b>2015</b> , 27, 6575-81	24	559
306	High-Performance Photovoltaic Detector Based on MoTe <sub>2</sub> /MoS <sub>2</sub> Van der Waals Heterostructure. <i>Small</i> , <b>2018</b> , 14, 1703293	11	132
305	Recent Progress in Two-Dimensional Ferroelectric Materials. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1900818	18	99
304	Programmable transition metal dichalcogenide homojunctions controlled by nonvolatile ferroelectric domains. <i>Nature Electronics</i> , <b>2020</b> , 3, 43-50	28.4	98
303	Energy gap versus alloy composition and temperature in Hg <sub>1-x</sub> Cd <sub>x</sub> Te. <i>Applied Physics Letters</i> , <b>1983</b> , 43, 1064-1066	3.4	95
302	7.1% efficient co-electroplated Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film solar cells with sputtered CdS buffer layers. <i>Green Chemistry</i> , <b>2016</b> , 18, 550-557	10	94
301	Electrically induced 2D half-metallic antiferromagnets and spin field effect transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8511-8516	11.5	87
300	A Robust Artificial Synapse Based on Organic Ferroelectric Polymer. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800600	6.4	81
299	High Mobilities in Layered InSe Transistors with Indium-Encapsulation-Induced Surface Charge Doping. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803690	24	76
298	Co-electrodeposited Cu <sub>2</sub> ZnSnS <sub>4</sub> thin-film solar cells with over 7% efficiency fabricated via fine-tuning of the Zn content in absorber layers. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3798-3805	13	67
297	Empirical rule of intrinsic absorption spectroscopy in Hg <sub>1-x</sub> Cd <sub>x</sub> Te. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 1234-1235	2.5	65
296	Ferroelectric Negative Capacitance Field Effect Transistor. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800281	14	64
295	Efficient and Hole-Transporting-Layer-Free CsPbI <sub>3</sub> Br Planar Heterojunction Perovskite Solar Cells through Rubidium Passivation. <i>ChemSusChem</i> , <b>2019</b> , 12, 983-989	8.3	64
294	Pyroelectric properties in sol-gel derived barium strontium titanate thin films using a highly diluted precursor solution. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 1035	3.4	63
293	Ultrasensitive negative capacitance phototransistors. <i>Nature Communications</i> , <b>2020</b> , 11, 101	17.4	63
292	A Universal Method to Enhance Flexibility and Stability of Organic Solar Cells by Constructing Insulating Matrices in Active Layers. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003654	15.6	63
291	Characterization of Mn <sub>1.56</sub> Co <sub>0.96</sub> Ni <sub>0.48</sub> O <sub>4</sub> films for infrared detection. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 202115	3.4	62

290	Synthesis and characterization of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin films by the sulfurization of co-electrodeposited Cu <sub>2</sub> NbSnS <sub>4</sub> precursor layers for solar cell applications. <i>RSC Advances</i> , <b>2014</b> , 4, 23977-23984	3.7	61
289	MoTe p-n Homojunctions Defined by Ferroelectric Polarization. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907937	24	60
288	Optoelectronic Properties of Few-Layer MoS <sub>2</sub> FET Gated by Ferroelectric Relaxor Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 32083-32088	9.5	60
287	Structural, electronic band transition and optoelectronic properties of delafossite CuGa <sub>1-x</sub> Cr <sub>x</sub> O <sub>2</sub> (0 ≤ x ≤ 1) solid solution films grown by the sol-gel method. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 18463		60
286	Two-dimensional negative capacitance transistor with polyvinylidene fluoride-based ferroelectric polymer gating. <i>Npj 2D Materials and Applications</i> , <b>2017</b> , 1,	8.8	57
285	High performance of Mn-Co-Ni-O spinel nanofilms sputtered from acetate precursors. <i>Scientific Reports</i> , <b>2015</b> , 5, 10899	4.9	54
284	Copper ferrites@reduced graphene oxide anode materials for advanced lithium storage applications. <i>Scientific Reports</i> , <b>2017</b> , 7, 8903	4.9	51
283	W-Sb-Te phase-change material: A candidate for the trade-off between programming speed and data retention. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 122108	3.4	50
282	Optical properties of PbZr <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> on platinized silicon by infrared spectroscopic ellipsometry. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 3980-3982	3.4	48
281	Visible to short wavelength infrared In <sub>2</sub> Se <sub>3</sub> -nanoflake photodetector gated by a ferroelectric polymer. <i>Nanotechnology</i> , <b>2016</b> , 27, 364002	3.4	46
280	Superior adsorption and photoinduced carries transfer behaviors of dandelion-shaped BiS@MoS <sub>2</sub> : experiments and theory. <i>Scientific Reports</i> , <b>2017</b> , 7, 42484	4.9	45
279	Investigation of electrically-active defects in Sb <sub>2</sub> Se <sub>3</sub> thin-film solar cells with up to 5.91% efficiency via admittance spectroscopy. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 186, 324-329	6.4	45
278	Al <sub>1.3</sub> Sb <sub>3</sub> Te material for phase change memory application. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 043105	3.4	44
277	Tuning Coupling Behavior of Stacked Heterostructures Based on MoS <sub>2</sub> , WS <sub>2</sub> , and WSe <sub>2</sub> . <i>Scientific Reports</i> , <b>2017</b> , 7, 44712	4.9	43
276	Synthetically controlling the optoelectronic properties of dithieno[2,3-d':3',3'-d'']benzo[1,2-b:4,5-b'']dithiophene-alt-diketopyrrolopyrrole-conjugated polymers for efficient solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15316-15325	13	43
275	Light-emission properties in nanocrystalline BaTiO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2000</b> , 77, 2807-2809	3.4	43
274	Synthesis and characterization of earth-abundant Cu <sub>2</sub> MnSnS <sub>4</sub> thin films using a non-toxic solution-based technique. <i>RSC Advances</i> , <b>2015</b> , 5, 84295-84302	3.7	42
273	The Interfacial Reaction at ITO Back Contact in Kesterite CZTSSe Bifacial Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 3043-3052	8.3	42

272	Domain stabilization effect of interlayer on ferroelectric poly(vinylidene fluoride-trifluoroethylene) copolymer ultrathin film. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 034107	2.5	42
271	Absorption spectra of nanocrystalline silicon embedded in SiO <sub>2</sub> matrix. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 1857-1859	3.4	41
270	Ultrasensitive Hybrid MoS-ZnCdSe Quantum Dot Photodetectors with High Gain. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 23667-23672	9.5	40
269	Origin of Band-Tail and Deep-Donor States in CuZnSnS Solar Cells and Their Suppression through Sn-Poor Composition. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 7929-7936	6.4	40
268	Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film solar cell utilizing rapid thermal process of precursors sputtered from a quaternary target: a promising application in industrial processes. <i>RSC Advances</i> , <b>2014</b> , 4, 43080-43086	3.7	38
267	Graphene oxide-FeO nanocomposite magnetic solid phase extraction followed by UHPLC-MS/MS for highly sensitive determination of eight psychoactive drugs in urine samples. <i>Talanta</i> , <b>2020</b> , 206, 120212	6.2	37
266	Structure-Property Relationships in Graphene-Based Strain and Pressure Sensors for Potential Artificial Intelligence Applications. <i>Sensors</i> , <b>2019</b> , 19,	3.8	36
265	Dielectric behaviors of Aurivillius Bi <sub>5</sub> Ti <sub>3</sub> Fe <sub>0.5</sub> Cr <sub>0.5</sub> O <sub>15</sub> multiferroic polycrystals: Determining the intrinsic magnetoelectric responses by impedance spectroscopy. <i>Scientific Reports</i> , <b>2015</b> , 5, 17846	4.9	36
264	Controlling Rashba spin splitting in Au(111) surface states through electric field. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	36
263	Processing optimization and sintering time dependent magnetic and optical behaviors of Aurivillius Bi <sub>5</sub> Ti <sub>3</sub> FeO <sub>15</sub> ceramics. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 034901	2.5	36
262	Miniature supercapacitors composed of nickel/cobalt hydroxide on nickel-coated silicon microchannel plates. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 19093		35
261	Manipulation of magnetic anisotropy of Fe/graphene by charge injection. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 122410	3.4	34
260	Backside-illuminated infrared photoluminescence and photoreflectance: Probe of vertical nonuniformity of HgCdTe on GaAs. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 121915	3.4	34
259	Ferroelectric polymer tuned two dimensional layered MoTe <sub>2</sub> photodetector. <i>RSC Advances</i> , <b>2016</b> , 6, 87416-87421	3.7	34
258	Investigation of cation distribution, electrical, magnetic properties and their correlation in Mn <sub>2-x</sub> Co <sub>2x</sub> Ni <sub>1-x</sub> O <sub>4</sub> films. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 113703	2.5	33
257	Multimechanism Synergistic Photodetectors with Ultrabroad Spectrum Response from 375 nm to 10 $\mu$ m. <i>Advanced Science</i> , <b>2019</b> , 6, 1901050	13.6	32
256	Interface Modification for Planar Perovskite Solar Cell Using Room-Temperature Deposited Nb <sub>2</sub> O <sub>5</sub> as Electron Transportation Layer. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 2000-2006	6.1	32
255	The Cr-substitution concentration dependence of the structural, electric and magnetic behaviors for Aurivillius Bi <sub>5</sub> Ti <sub>3</sub> FeO <sub>15</sub> multiferroic ceramics. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 234101	2.5	32

254	Picosecond Random Lasing Based on Three-Photon Absorption in Organometallic Halide CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Thin Films. <i>ACS Photonics</i> , <b>2018</b> , 5, 2951-2959	6.3	32
253	Indolo[3,2,1-jk]carbazole Derivatives-Sensitized Solar Cells: Effect of Bridges on the Performance of Cells. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 14211-14217	3.8	31
252	Atomic-Scale Visualization of Polarization Pinning and Relaxation at Coherent BiFeO <sub>3</sub> /LaAlO <sub>3</sub> Interfaces. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 793-799	15.6	31
251	Improved Performance of Electroplated CZTS Thin-Film Solar Cells with Bifacial Configuration. <i>ChemSusChem</i> , <b>2016</b> , 9, 2149-58	8.3	30
250	Identifying intrinsic ferroelectricity of thin film with piezoresponse force microscopy. <i>AIP Advances</i> , <b>2017</b> , 7, 095116	1.5	30
249	Optoelectronic properties and polar nano-domain behavior of sol-gel derived K <sub>0.5</sub> Na <sub>0.5</sub> Nb <sub>1-x</sub> MnxO <sub>3</sub> nanocrystalline films with enhanced ferroelectricity. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8225-8234	7.1	29
248	Large-Scale Growth and Field-Effect Transistors Electrical Engineering of Atomic-Layer SnS. <i>Small</i> , <b>2019</b> , 15, e1904116	11	29
247	In situ fabrication of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanoflake thin films on both rigid and flexible substrates. <i>CrystEngComm</i> , <b>2014</b> , 16, 6244-6249	3.3	29
246	Progress and prospect for high temperature single-phased magnetic ferroelectrics. <i>Science Bulletin</i> , <b>2008</b> , 53, 2097-2112	10.6	29
245	Pyroelectric Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> thin films derived from a 0.05 M solution precursor by sol-gel processing. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 3402-3404	3.4	29
244	Extremely Low Dark Current MoS <sub>2</sub> Photodetector via 2D Halide Perovskite as the Electron Reservoir. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901402	8.1	28
243	Co-electroplated Kesterite Bifacial Thin-Film Solar Cells: A Study of Sulfurization Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10414-28	9.5	27
242	Manipulations from oxygen partial pressure on the higher energy electronic transition and dielectric function of VO <sub>2</sub> films during a metal-insulator transition process. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 5033-5040	7.1	27
241	5.91%-efficient Sb <sub>2</sub> Se <sub>3</sub> solar cells with a radio-frequency magnetron-sputtered CdS buffer layer. <i>Applied Materials Today</i> , <b>2019</b> , 16, 367-374	6.6	27
240	Infrared photoluminescence of arsenic-doped HgCdTe in a wide temperature range of up to 290 K. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 043503	2.5	27
239	Infrared optical properties of Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> ferroelectric thin films. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 3651-3653	3.4	27
238	Temperature and concentration dependent crystallization behavior of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> phase change films: tungsten doping effects. <i>RSC Advances</i> , <b>2014</b> , 4, 57218-57222	3.7	26
237	Optical properties of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films using spectroscopic ellipsometry. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 3811-3815	2.5	26

236	An 8.7% efficiency co-electrodeposited Cu <sub>2</sub> ZnSnS <sub>4</sub> photovoltaic device fabricated via a pressurized post-sulfurization process. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 13275-13282	7.1	26
235	In situ atom scale visualization of domain wall dynamics in VO <sub>2</sub> insulator-metal phase transition. <i>Scientific Reports</i> , <b>2014</b> , 4, 6544	4.9	25
234	Variation in hopping conduction across the magnetic transition in spinel Mn <sub>1.56</sub> Co <sub>0.96</sub> Ni <sub>0.48</sub> O <sub>4</sub> films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 082103	3.4	25
233	High-performance lead-free two-dimensional perovskite photo transistors assisted by ferroelectric dielectrics. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12714-12720	7.1	25
232	High Responsivity and External Quantum Efficiency Photodetectors Based on Solution-Processed Ni-Doped CuO Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 11797-11805	9.5	24
231	Deep/shallow levels in arsenic-doped HgCdTe determined by modulated photoluminescence spectra. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 131909	3.4	24
230	A versatile photodetector assisted by photovoltaic and bolometric effects. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 160	16.7	24
229	Effect of Cr doping on the structure, optical and magnetic properties of multiferroic BiFeO <sub>3</sub> thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2012</b> , 23, 1215-1218	2.1	23
228	Optical magnetic response from parallel plate metamaterials. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	23
227	Fabrication and properties of solution processed all polymer thin-film ferroelectric device. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 1510-1513	2.9	22
226	A type-II GaSe/GeS heterobilayer with strain enhanced photovoltaic properties and external electric field effects. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 89-97	7.1	22
225	Fabrication and characteristics of porous germanium films. <i>Science and Technology of Advanced Materials</i> , <b>2009</b> , 10, 065001	7.1	21
224	Temperature-dependent lattice dynamics and electronic transitions in 0.93Pb(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.07PbTiO <sub>3</sub> single crystals: Experiment and theory. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	20
223	Modification of Back Contact in CuZnSnS Solar Cell by Inserting Al-Doped ZnO Intermediate Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 58060-58071	9.5	20
222	The preparation, and structural and multiferroic properties of B-site ordered double-perovskite Bi <sub>2</sub> FeMnO <sub>6</sub> . <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5494-5500	7.1	19
221	The effect of substrate temperature, Cu/Sn ratio and post-annealing on the phase-change and properties of Cu <sub>2</sub> SnS <sub>3</sub> film deposited by ultrasonic spray pyrolysis. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 4636-4646	2.1	19
220	Tuning the Crystal Structure and Luminescence of Pyrrolidinium Manganese Halides via Halide Ions. <i>Crystal Research and Technology</i> , <b>2019</b> , 54, 1800236	1.3	18
219	Efficient two-terminal artificial synapse based on a network of functionalized conducting polymer nanowires. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 9933-9938	7.1	18

218	Realization of photoreflectance spectroscopy in very-long wave infrared of up to 20 $\mu$ m. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 041908	3.4	18
217	Ferroelectric-tuned van der Waals heterojunction with band alignment evolution. <i>Nature Communications</i> , <b>2021</b> , 12, 4030	17.4	18
216	Optical Manipulation of Rashba Spin-Orbit Coupling at SrTiO <sub>3</sub> -Based Oxide Interfaces. <i>Nano Letters</i> , <b>2017</b> , 17, 6534-6539	11.5	17
215	Long-term reliability of silicon wafer-based traditional backsheet modules and double glass modules. <i>RSC Advances</i> , <b>2015</b> , 5, 65768-65774	3.7	17
214	Optical and magnetic properties of KBiFe <sub>2</sub> O <sub>5</sub> thin films fabricated by chemical solution deposition. <i>Materials Letters</i> , <b>2015</b> , 161, 423-426	3.3	17
213	Polarization fluctuation behavior of lanthanum substituted Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 104102	2.5	17
212	Structural, electrical, and magnetic properties of Mn <sub>2.52</sub> Co <sub>x</sub> Ni <sub>0.48</sub> O <sub>4</sub> films. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 053716	2.5	17
211	Study of impurity states in p-type Hg <sub>1-x</sub> Cd <sub>x</sub> Te using far-infrared spectroscopy. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 1538-1540	3.4	17
210	Infrared optical properties of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> ferroelectric thin films. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 1771-1773	2.5	17
209	Superior and Reversible Lithium Storage of SnO/Graphene Composites by Silicon Doping and Carbon Sealing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 20824-20837	9.5	17
208	Ferroelectric Synaptic Transistor Network for Associative Memory. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2001276	6.4	17
207	Probing Effective Out-of-Plane Piezoelectricity in van der Waals Layered Materials Induced by Flexoelectricity. <i>Small</i> , <b>2019</b> , 15, e1903106	11	16
206	Coexistence of Ferroelectric Phases and Phonon Dynamics in Relaxor Ferroelectric Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> Based Single Crystals. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 2408-2414	3.8	16
205	Magnetophotoluminescence study of GaIn <sub>1-x</sub> P quantum wells with CuPt-type long-range ordering. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 053522	2.5	15
204	Highly Sensitive InSb Nanosheets Infrared Photodetector Passivated by Ferroelectric Polymer. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2006156	15.6	15
203	Enhanced carrier separation in ferroelectric In <sub>2</sub> Se <sub>3</sub> /MoS <sub>2</sub> van der Waals heterostructure. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11160-11167	7.1	14
202	Flexible graphene field effect transistor with ferroelectric polymer gate. <i>Optical and Quantum Electronics</i> , <b>2016</b> , 48, 1	2.4	14
201	Spatial and Frequency Selective Plasmonic Metasurface for Long Wavelength Infrared Spectral Region. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800337	8.1	14



- 200 The electro-optic mechanism and infrared switching dynamic of the hybrid multilayer VO/Al:ZnO heterojunctions. *Scientific Reports*, **2017**, 7, 4425 4.9 14
- 199 Fabrication of Cu<sub>2</sub>ZnSnS<sub>4</sub> absorbers by sulfurization of Sn-rich precursors. *Physica Status Solidi (A) Applications and Materials Science*, **2012**, 209, 1493-1497 1.6 14
- 198 Effects of Individual Layer Thickness on the Structure and Electrical Properties of Sol-Gel-Derived Ba<sub>0.8</sub>Sr<sub>0.2</sub>TiO<sub>3</sub> Thin Films. *Journal of the American Ceramic Society*, **2004**, 83, 2616-2618 3.8 14
- 197 Influence of different S/Se ratio on the properties of Cu<sub>2</sub>Sn(S x Se<sub>1-x</sub>)<sub>3</sub> thin films fabricated by annealing stacked metal precursors. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 6723-6729 2.7 13
- 196 Multifunctional MoS Transistors with Electrolyte Gel Gating. *Small*, **2020**, 16, e2000420 11 13
- 195 Manipulating Behaviors from Heavy Tungsten Doping on Interband Electronic Transition and Orbital Structure Variation of Vanadium Dioxide Films. *ACS Applied Materials & Interfaces*, **2018**, 10, 30548-30557 9.5 13
- 194 Magnetocaloric effect in multiferroic Y-type hexaferrite Ba<sub>0.5</sub>Sr<sub>1.5</sub>Zn<sub>2</sub>(Fe<sub>0.92</sub>Al<sub>0.08</sub>)<sub>12</sub>O<sub>22</sub>. *AIP Advances*, **2014**, 4, 067122 1.5 13
- 193 Nitrogen-doped Ge<sub>3</sub>Te<sub>2</sub> materials with self-restricted active region for low power phase-change memory. *Journal of Applied Physics*, **2013**, 113, 034310 2.5 13
- 192 Lattice thermal conductivity in a Si<sub>1-x</sub>Ge<sub>x</sub> heterostructure. *Journal of Applied Physics*, **2007**, 101, 114323 2.5 13
- 191 Evaluation of densities and mobilities for heavy and light holes in p-type Hg<sub>1-x</sub>CdxTe molecular beam epitaxy films from magnetic-field-dependent Hall data. *Journal of Applied Physics*, **1998**, 84, 4327-4331 2.5 13
- 190 Gate-Tunable Photodiodes Based on Mixed-Dimensional Te/MoTe<sub>2</sub> Van der Waals Heterojunctions. *Advanced Electronic Materials*, **2021**, 7, 2001066 6.4 13
- 189 Vapor Transport Deposition of Highly Efficient Sb<sub>2</sub>(S,Se)<sub>3</sub> Solar Cells via Controllable Orientation Growth. *Advanced Functional Materials*, **2021**, 31, 2101476 15.6 13
- 188 Enhanced Crystallization Behaviors of Silicon-Doped Sb<sub>2</sub>Te Films: Optical Evidences. *Scientific Reports*, **2016**, 6, 33639 4.9 13
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