

Wei-Hua Tang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6592814/wei-hua-tang-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

348
papers

8,672
citations

45
h-index

75
g-index

359
ext. papers

10,252
ext. citations

4.1
avg, IF

6.18
L-index

#	Paper	IF	Citations
348	First principles study of structural, vibrational and electronic properties of graphene-like MX ₂ (M=Mo, Nb, W, Ta; X=S, Se, Te) monolayers. <i>Physica B: Condensed Matter</i> , 2011 , 406, 2254-2260	2.8	495
347	Fabrication of β -Ga ₂ O ₃ thin films and solar-blind photodetectors by laser MBE technology. <i>Optical Materials Express</i> , 2014 , 4, 1067	2.6	329
346	Oxygen vacancy tuned Ohmic-Schottky conversion for enhanced performance in β -Ga ₂ O ₃ solar-blind ultraviolet photodetectors. <i>Applied Physics Letters</i> , 2014 , 105, 023507	3.4	292
345	Self-Powered Ultraviolet Photodetector with Superhigh Photoresponsivity (3.05 A/W) Based on the GaN/Sn:GaO pn Junction. <i>ACS Nano</i> , 2018 , 12, 12827-12835	16.7	254
344	Zero-Power-Consumption Solar-Blind Photodetector Based on β -GaO/NSTO Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1619-1628	9.5	225
343	Bimetallic PdCu nanoparticle decorated three-dimensional graphene hydrogel for non-enzymatic amperometric glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2014 , 190, 707-714	8.5	169
342	β -Ga ₂ O ₃ / p-Si heterojunction solar-blind ultraviolet photodetector with enhanced photoelectric responsivity. <i>Journal of Alloys and Compounds</i> , 2016 , 660, 136-140	5.7	169
341	Construction of GaN/Ga ₂ O ₃ p-n junction for an extremely high responsivity self-powered UV photodetector. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10562-10570	7.1	149
340	A self-powered deep-ultraviolet photodetector based on an epitaxial Ga ₂ O ₃ /Ga:ZnO heterojunction. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8688-8693	7.1	124
339	Tuning the range, magnitude, and sign of the thermal expansion in intermetallic Mn ₃ (Zn, M) _x N (M = Ag, Ge). <i>Physical Review B</i> , 2012 , 85,	3.3	118
338	CTAB-assisted synthesis and photocatalytic property of CuO hollow microspheres. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 1088-1093	3.3	116
337	First-principles investigation on redox properties of M-doped CeO ₂ (M=Mn,Pr,Sn,Zr). <i>Physical Review B</i> , 2010 , 82,	3.3	100
336	Ultrasensitive, Superhigh Signal-to-Noise Ratio, Self-Powered Solar-Blind Photodetector Based on -GaO/-CuSCN Core-Shell Microwire Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35105-35114	9.5	91
335	Fabrication of β -Ga ₂ O ₃ /ZnO heterojunction for solar-blind deep ultraviolet photodetection. <i>Semiconductor Science and Technology</i> , 2017 , 32, 03LT01	1.8	85
334	Epitaxial growth and solar-blind photoelectric properties of corundum-structured β -Ga ₂ O ₃ thin films. <i>Materials Letters</i> , 2016 , 164, 364-367	3.3	74
333	Fast-response solar-blind ultraviolet photodetector with a graphene/ β -Ga ₂ O ₃ /graphene hybrid structure. <i>Journal of Alloys and Compounds</i> , 2017 , 692, 634-638	5.7	73
332	The structural and biological properties of hydroxyapatite-modified titanate nanowire scaffolds. <i>Biomaterials</i> , 2011 , 32, 5837-46	15.6	73

331	Enhanced Ga ₂ O ₃ /SiC ultraviolet photodetector with graphene top electrodes. <i>Journal of Alloys and Compounds</i> , 2016 , 680, 247-251	5.7	72
330	Synthesis and photocatalytic activity of TiO ₂ @CdS and CdS@TiO ₂ double-shelled hollow spheres. <i>Journal of Alloys and Compounds</i> , 2012 , 527, 30-35	5.7	72
329	Unipolar resistive switching behavior of amorphous gallium oxide thin films for nonvolatile memory applications. <i>Applied Physics Letters</i> , 2015 , 106, 042105	3.4	68
328	Effects of dopant concentration on structural and near-infrared luminescence of Nd ³⁺ -doped beta-Ga ₂ O ₃ thin films. <i>Applied Physics Letters</i> , 2015 , 106, 171910	3.4	66
327	Fast assembly of Ag ₃ PO ₄ nanoparticles within three-dimensional graphene aerogels for efficient photocatalytic oxygen evolution from water splitting under visible light. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 666-672	21.8	66
326	Heteronanostructure of Ag particle on titanate nanowire membrane with enhanced photocatalytic properties and bactericidal activities. <i>Journal of Hazardous Materials</i> , 2010 , 178, 1109-14	12.8	64
325	Mg-doped p-type β-Ga ₂ O ₃ thin film for solar-blind ultraviolet photodetector. <i>Materials Letters</i> , 2017 , 209, 558-561	3.3	62
324	(AlGa) ₂ O ₃ solar-blind photodetectors on sapphire with wider bandgap and improved responsivity. <i>Optical Materials Express</i> , 2017 , 7, 1240	2.6	62
323	Room temperature ferromagnetism in (Ga _{1-x} Mnx) ₂ O ₃ epitaxial thin films. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1830-1834	7.1	61
322	Morphology-controllable gold nanostructures on phosphorus doped diamond-like carbon surfaces and their electrocatalysis for glucose oxidation. <i>Sensors and Actuators B: Chemical</i> , 2012 , 162, 135-142	8.5	60
321	β-Ga ₂ O ₃ Nanorod Array/TiO ₂ Microsphere p-n Junctions for Self-Powered Spectrum-Distinguishable Photodetectors. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4095-4103	5.6	58
320	Morphological evolution of one-dimensional SiC nanomaterials controlled by sol-gel carbothermal reduction. <i>Materials Characterization</i> , 2012 , 65, 55-61	3.9	58
319	Nanostructured porous ZnO film with enhanced photocatalytic activity. <i>Thin Solid Films</i> , 2011 , 519, 5673-5678	5.78	58
318	Synthesis of transition metal carbide nanoparticles through melamine and metal oxides. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 1671-1677	6	57
317	Self-Powered Solar-Blind Photodetectors Based on p-n Junction of Ga ₂ O ₃ . <i>Physical Review Applied</i> , 2020 , 13,	4.3	55
316	Comparison Study of β-Ga ₂ O ₃ Photodetectors on Bulk Substrate and Sapphire. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 3578-3583	2.9	55
315	Fabrication of shape controlled Fe ₃ O ₄ nanostructure. <i>Materials Characterization</i> , 2010 , 61, 489-492	3.9	52
314	Synthesis and structural characterization of cobalt hydroxide carbonate nanorods and nanosheets. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 739-743	5.7	51

313	Facile route to metal nitrides through melamine and metal oxides. <i>Journal of Materials Chemistry</i> , 2006 , 16, 4407		51
312	Raman and photoluminescence properties of α -Al ₂ O ₃ microcones with hierarchical and repetitive superstructure. <i>Materials Letters</i> , 2010 , 64, 161-163	3.3	50
311	A high-performance ultraviolet solar-blind photodetector based on a α -Ga ₂ O ₃ Schottky photodiode. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13920-13929	7.1	50
310	Synthesis, photoluminescence and dielectric properties of O-deficient SnO ₂ nanowires. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 74-77	5.7	49
309	All-Oxide NiO/Ga ₂ O ₃ p-n Junction for Self-Powered UV Photodetector. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 2032-2038	4	47
308	Nanostructures and optical properties of hydrothermal synthesized CeOHCO ₃ and calcined CeO ₂ with PVP assistance. <i>Journal of Alloys and Compounds</i> , 2010 , 504, 498-502	5.7	47
307	Electronic Structures of Porous Graphene, BN, and BC ₂ N Sheets with One- and Two-Hydrogen Passivations from First Principles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5334-5343	3.8	47
306	Sandwich-structured Ag/graphene/Au hybrid for surface-enhanced Raman scattering. <i>Electrochimica Acta</i> , 2014 , 119, 43-48	6.7	46
305	Controllable synthesis and photocatalytic property of uniform CuO/Cu ₂ O composite hollow microspheres. <i>Powder Technology</i> , 2012 , 230, 48-53	5.2	45
304	Facile route to straight SnO ₂ nanowires and their optical properties. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 515-518	5.7	45
303	A self-powered solar-blind photodetector with large Voc enhancing performance based on the PEDOT:PSS/Ga ₂ O ₃ organic/inorganic hybrid heterojunction. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1292-1300	7.1	45
302	First-principles investigation of the bonding, optical and lattice dynamical properties of CeO ₂ . <i>Journal of Power Sources</i> , 2009 , 194, 830-834	8.9	43
301	Arrays of Solar-Blind Ultraviolet Photodetector Based on β -Ga ₂ O ₃ Epitaxial Thin Films. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 993-996	2.2	42
300	Band gap characterization and photoluminescence properties of SiC nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 102, 213-217	2.6	42
299	Synthesis and photoluminescence of Zn ₂ SnO ₄ nanowires. <i>Journal of Alloys and Compounds</i> , 2009 , 484, 25-27	5.7	42
298	Photoelectrochemical Self-Powered Solar-Blind Photodetectors Based on Ga ₂ O ₃ Nanorod Array/Electrolyte Solid/Liquid Heterojunctions with a Large Separation Interface of Photogenerated Carriers. <i>ACS Applied Nano Materials</i> , 2019 , 2, 6169-6177	5.6	41
297	Electronic states of metal (Cu, Ag, Au) atom on CeO ₂ (111) surface: The role of local structural distortion. <i>Journal of Power Sources</i> , 2012 , 197, 28-37	8.9	41
296	Large-scale preparation of chestnut-like ZnO and Zn _{0.9} O hollow nanostructures by chemical vapor deposition. <i>Journal of Alloys and Compounds</i> , 2010 , 502, 118-122	5.7	41

295	Synthesis and optical property of high purity AlN nanowires. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 143, 85-89	3.1	41
294	Deep ultraviolet photoconductive and near-infrared luminescence properties of Er ³⁺ -doped β -Ga ₂ O ₃ thin films. <i>Applied Physics Letters</i> , 2016 , 108, 211903	3.4	41
293	High sensitive and stable self-powered solar-blind photodetector based on solution-processed all inorganic CuMO ₂ /Ga ₂ O ₃ pn heterojunction. <i>Materials Today Physics</i> , 2021 , 17, 100335	8	41
292	Effect of calcination temperature on the microstructure, crystallinity and photocatalytic activity of TiO ₂ hollow spheres. <i>Journal of Alloys and Compounds</i> , 2012 , 542, 32-36	5.7	40
291	Non-enzymatic hydrogen peroxide detection using gold nanoclusters-modified phosphorus incorporated tetrahedral amorphous carbon electrodes. <i>Electrochimica Acta</i> , 2010 , 55, 1971-1977	6.7	40
290	Review of gallium oxide based field-effect transistors and Schottky barrier diodes. <i>Chinese Physics B</i> , 2019 , 28, 017105	1.2	39
289	Abnormal bipolar resistive switching behavior in a Pt/GaO _{1.3} /Pt structure. <i>Applied Physics Letters</i> , 2015 , 107, 032104	3.4	39
288	Systematic investigation of the growth kinetics of β -Ga ₂ O ₃ epilayer by plasma enhanced chemical vapor deposition. <i>Applied Physics Letters</i> , 2020 , 116, 072102	3.4	39
287	Morphology and size control of cerium carbonate hydroxide and ceria micro/nanostructures by hydrothermal technology. <i>Materials Chemistry and Physics</i> , 2010 , 121, 314-319	4.4	39
286	Broadband Ultraviolet Self-Powered Photodetector Constructed on Exfoliated GaO/CuI Core-Shell Microwire Heterojunction with Superior Reliability. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 447-453	6.4	39
285	Field emission performance of SiC nanowires directly grown on graphite substrate. <i>Materials Chemistry and Physics</i> , 2011 , 126, 655-659	4.4	38
284	Synthesis and characterization of straight and stacked-sheet AlN nanowires with high purity. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 338-342	5.7	38
283	Effects of organic additives on the morphology of calcium carbonate particles in the presence of CTAB. <i>Materials Letters</i> , 2006 , 60, 1261-1264	3.3	38
282	Crystal structure and magnetic properties of LaCo _{1-3x} Si _x compounds. <i>Applied Physics Letters</i> , 1994 , 64, 1650-1652	3.4	38
281	Influence of oxygen vacancies on the photoresponse of β -Ga ₂ O ₃ /SiC _n type heterojunctions. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 285111	3	38
280	Inhibition of unintentional extra carriers by Mn valence change for high insulating devices. <i>Scientific Reports</i> , 2016 , 6, 24190	4.9	37
279	Influence of annealing atmosphere on the performance of a β -Ga ₂ O ₃ thin film and photodetector. <i>Optical Materials Express</i> , 2018 , 8, 2229	2.6	37
278	Effect of biaxial strain induced by piezoelectric PMN-PT on the upconversion photoluminescence of BaTiO ₃ /Yb/Er thin films. <i>Optics Express</i> , 2014 , 22, 29014-9	3.3	37

277	A highly ordered Fe ₃ C nanoarray as a non-precious oxygen-reduction catalyst for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2011 , 196, 3548-3552	8.9	37
276	Natural superhydrophilic TiO ₂ /SiO ₂ composite thin films deposited by radio frequency magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 532-535	5.7	37
275	Large-scale AlN nanowires synthesized by direct sublimation method. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 195-200	6	36
274	One-Step Growth of Amorphous/Crystalline GaO Phase Junctions for High-Performance Solar-Blind Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45922-45929	9.5	35
273	Synthesis of ZnO nanowire arrays and their photoluminescence property. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 634-637	5.7	35
272	High sensitivity and fast response self-powered solar-blind ultraviolet photodetector with a EGa ₂ O ₃ /spiro-MeOTAD p/n heterojunction. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 4502-4509	7.1	34
271	Decrease of oxygen vacancy by Zn-doped for improving solar-blind photoelectric performance in EGa ₂ O ₃ thin films. <i>Electronic Materials Letters</i> , 2017 , 13, 483-488	2.9	34
270	Fabrication of CdS/CdSe heterostructure nanowires and their photoluminescence property. <i>Journal of Alloys and Compounds</i> , 2009 , 487, 568-571	5.7	34
269	Structural and optical properties of Al-doped SnO ₂ nanowires. <i>Materials Letters</i> , 2010 , 64, 19-21	3.3	34
268	Optimizing the performance of a EGa ₂ O ₃ solar-blind UV photodetector by compromising between photoabsorption and electric field distribution. <i>Optical Materials Express</i> , 2018 , 8, 2918	2.6	34
267	Electric field effects on the electronic and optical properties in C ₂ N/Sb van der Waals heterostructure. <i>Carbon</i> , 2018 , 129, 738-744	10.4	33
266	TiO ₂ hollow spheres as light scattering centers in TiO ₂ photoanodes for dye-sensitized solar cells: the effect of sphere diameter. <i>Journal of Alloys and Compounds</i> , 2016 , 663, 211-216	5.7	33
265	Route to transition metal carbide nanoparticles through cyanamide and metal oxides. <i>Materials Research Bulletin</i> , 2008 , 43, 3621-3626	5.1	33
264	Preparation and photoelectrochemical properties of TiO ₂ hollow spheres embedded TiO ₂ /CdS photoanodes for quantum-dot-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2013 , 560, 1-5	5.7	32
263	Synthesis of ZnO nanostructures in organic solvents and their photoluminescence properties. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 494-499	5.7	32
262	Growth and characterization of phase Ga ₂ S _n O ₃ thin films for solar-blind ultraviolet applications. <i>Semiconductor Science and Technology</i> , 2016 , 31, 065010	1.8	32
261	Layer-dependent photoresponse of 2D MoS ₂ films prepared by pulsed laser deposition. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2522-2529	7.1	32
260	Growth and Characterization of Sn Doped EGa ₂ O ₃ Thin Films and Enhanced Performance in a Solar-Blind Photodetector. <i>Journal of Electronic Materials</i> , 2017 , 46, 2366-2372	1.9	31

259	Construction of a EGa_2O_3 -based metal oxide semiconductor-structured photodiode for high-performance dual-mode solar-blind detector applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5071-5081	7.1	31
258	Facile route to straight ZnGa_2O_4 nanowires and their cathodoluminescence properties. <i>Journal of Alloys and Compounds</i> , 2010 , 489, 663-666	5.7	31
257	Electronic structures of graphane sheets with foreign atom substitutions. <i>Applied Physics Letters</i> , 2011 , 98, 163104	3.4	31
256	Effects of poly (sodium 4-styrene-sulfonate) on morphology of calcium carbonate particles. <i>Journal of Crystal Growth</i> , 2006 , 294, 358-366	1.6	31
255	Study of AC susceptibility on the $\text{LaFe}_{13}\text{Six}$ system. <i>Physica Status Solidi A</i> , 1994 , 141, 217-222		31
254	Hydrothermal growth of ZnO nanowires scaffolds within mesoporous TiO_2 photoanodes for dye-sensitized solar cells with enhanced efficiency. <i>Electrochimica Acta</i> , 2016 , 196, 348-356	6.7	30
253	Influence of Nd at Ba-sites on superconductivity of $\text{YBa}_2\text{NdxCu}_3\text{O}_y$. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 298, 66-72	1.3	30
252	Syntheses of metal nitrides, metal carbides and rare-earth metal dioxymonocarbodiimides from metal oxides and dicyandiamide. <i>Journal of Alloys and Compounds</i> , 2008 , 460, 130-137	5.7	30
251	Synthesis of GaN nanowires on gold-coated SiC substrates by novel pulsed electron deposition technique. <i>Applied Surface Science</i> , 2008 , 254, 1947-1952	6.7	30
250	Ultrasensitive Flexible Solar-Blind Photodetectors Based on Graphene/Amorphous GaO van der Waals Heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47714-47720	9.5	30
249	Au plasmon enhanced high performance EGa_2O_3 solar-blind photo-detector. <i>Progress in Natural Science: Materials International</i> , 2016 , 26, 65-68	3.6	30
248	Magnetic anisotropy and deep ultraviolet photoresponse characteristics in $\text{Ga}_2\text{O}_3\text{:Cr}$ vermicular nanowire thin film nanostructure. <i>RSC Advances</i> , 2015 , 5, 12894-12898	3.7	29
247	Bias tuning charge-releasing leading to negative differential resistance in amorphous gallium oxide/ Nb:SrTiO_3 heterostructure. <i>Applied Physics Letters</i> , 2015 , 107, 262110	3.4	28
246	Finely tuning metallic nanogap size with electrodeposition by utilizing high-frequency impedance in feedback. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7771-5	16.4	28
245	C_3N_4 as a precursor for the synthesis of NbC , TaC and WC nanoparticles. <i>Journal of Alloys and Compounds</i> , 2007 , 430, 237-240	5.7	27
244	Structural, optical and photoluminescence properties of Pr-doped EGa_2O_3 thin films. <i>Journal of Alloys and Compounds</i> , 2017 , 697, 388-391	5.7	26
243	Synthesis of cobalt sulfide nanostructures by a facile solvothermal growth process. <i>Journal of Alloys and Compounds</i> , 2010 , 491, 707-711	5.7	26
242	Comparison of optoelectrical characteristics between Schottky and Ohmic contacts to EGa_2O_3 thin film. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 085105	3	26

241	In situ synthesis of monoclinic β -Ga ₂ O ₃ nanowires on flexible substrate and solar-blind photodetector. <i>Journal of Alloys and Compounds</i> , 2019 , 787, 133-139	5-7	24
240	Graphene modulated 2D assembly of plasmonic gold nanostructure on diamond-like carbon substrate for surface-enhanced Raman scattering. <i>Electrochemistry Communications</i> , 2012 , 25, 74-78	5-1	24
239	Controlled synthesis and morphology evolution of nickel sulfide micro/nanostructure. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2170-2175	5-7	24
238	Enhanced initial epitaxy of YBa ₂ Cu ₃ O _y ultrathin films grown on YSZ substrates by using a new buffer layer of Nd ₂ CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 330, 33-38	1-3	24
237	Fabrication of β -Ga ₂ O ₃ solar-blind photodetector with symmetric interdigital Schottky contacts responding to low intensity light signal. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 295109	3	23
236	Effect of a new functional double-hydrophilic block copolymer PAAL on the morphology of calcium carbonate particles. <i>Materials Research Bulletin</i> , 2005 , 40, 656-664	5-1	23
235	Superconductivity at 55 K in La _{0.7} Sr _{1.3} Cu(O,F) ₄ δ with reduced CuO ₂ sheets and apical anions. <i>Physical Review B</i> , 1995 , 52, 16233-16236	3-3	23
234	Tin-assisted growth of β -Ga ₂ O ₃ film and the fabrication of photodetectors on sapphire substrate by PLD. <i>Optical Materials Express</i> , 2018 , 8, 3506	2-6	23
233	Reversible transition between bipolar and unipolar resistive switching in Cu ₂ O/Ga ₂ O ₃ binary oxide stacked layer. <i>AIP Advances</i> , 2016 , 6, 015215	1-5	23
232	Energy-band alignments at ZnO/Ga ₂ O ₃ and Ta ₂ O ₅ /Ga ₂ O ₃ heterointerfaces by X-ray photoelectron spectroscopy and electron affinity rule. <i>Journal of Applied Physics</i> , 2019 , 126, 045707	2-5	22
231	Development of a laser synthetic wavelength interferometer for large displacement measurement with nanometer accuracy. <i>Optics Express</i> , 2010 , 18, 3000-10	3-3	22
230	A laser interferometer for measuring straightness and its position based on heterodyne interferometry. <i>Review of Scientific Instruments</i> , 2009 , 80, 115113	1-7	22
229	Phase diagram, crystal chemistry and thermoelectric properties of compounds in the Ca _{1-x} Co _x Zn ₂ system. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2159-2166	3-3	22
228	Single-crystalline wurtzite GaN nanowires and zigzagged nanostructures fabricated by sublimation sandwich method. <i>Journal of Alloys and Compounds</i> , 2009 , 475, 463-468	5-7	22
227	Solar-blind photodetector based on Ga ₂ O ₃ nanowires array film growth from inserted Al ₂ O ₃ ultrathin interlayers for improving responsivity. <i>RSC Advances</i> , 2016 , 6, 100683-100689	3-7	22
226	Characterization of hexagonal α -Ga _{1.8} Sn _{0.2} O ₃ thin films for solar-blind ultraviolet applications. <i>Optical Materials</i> , 2016 , 62, 651-654	3-3	21
225	Self-assembled mesoporous carbon sensitized with ceria nanoparticles as durable catalyst support for PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 205-211	6-7	21
224	Growth and photoluminescence of zinc blende ZnS nanowires via metalorganic chemical vapor deposition. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5769-5772	5-7	21

223	Epitaxial growth and magnetic properties of ultraviolet transparent Ga ₂ O ₃ /(Ga _{1-x} Fe _x) ₂ O ₃ multilayer thin films. <i>Scientific Reports</i> , 2016 , 6, 25166	4.9	21
222	Oxygen vacancies modulating the photodetector performances in Γ -Ga ₂ O ₃ thin films. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5437-5444	7.1	21
221	First-principles study of half-metallicity in semi-hydrogenated BC ₃ , BC ₅ , BC ₇ , and B-doped graphone sheets. <i>Nanoscale Research Letters</i> , 2011 , 6, 190	5	20
220	Deep level acceptors of Zn-Mg divalent ions dopants in Γ -Ga ₂ O ₃ for the difficulty to p-type conductivity. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 299-303	5.7	20
219	Improvement for the performance of solar-blind photodetector based on Γ -Ga ₂ O ₃ thin films by doping Zn. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 085102	3	19
218	Fabrication of cerium-doped Γ -Ga ₂ O ₃ epitaxial thin films and deep ultraviolet photodetectors. <i>Applied Optics</i> , 2018 , 57, 538-543	1.7	19
217	Graphene modulated assembly of PtPd bimetallic catalysts for electro-oxidation of methanol. <i>Journal of Alloys and Compounds</i> , 2014 , 586, 99-104	5.7	19
216	First-principles study of lithium intercalated bilayer graphene. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 1376-1382	3.6	19
215	The relation between c-axis lattice parameter and superconducting transition temperature of NdBa ₂ Cu ₃ O _y thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 313, 115-120	1.3	19
214	Silver nanoparticles modified reduced graphene oxide wrapped Ag ₃ PO ₄ /TiO ₂ visible-light-active photocatalysts with superior performance. <i>RSC Advances</i> , 2016 , 6, 43697-43706	3.7	19
213	Strain Coupling and Dynamic Relaxation in a Molecular Perovskite-Like Multiferroic Metal-Organic Framework. <i>Advanced Functional Materials</i> , 2018 , 28, 1806013	15.6	19
212	Band alignments of Γ -Ga ₂ O ₃ with MgO, Al ₂ O ₃ and MgAl ₂ O ₄ measured by x-ray photoelectron spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 295104	3	18
211	Fabrication and characterization of Mg-doped Γ -Ga ₂ O ₃ solar-blind photodetector. <i>Vacuum</i> , 2020 , 177, 109425	3.7	18
210	Stabilizing the metastable Γ -phase in Ga ₂ O ₃ thin films by Cu doping. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 1225-1229	5.7	18
209	Evidence for the bias-driven migration of oxygen vacancies in amorphous non-stoichiometric gallium oxide. <i>AIP Advances</i> , 2017 , 7, 065312	1.5	18
208	Effects of alkali on the morphologies and photoluminescence properties of ZnO nanostructures. <i>Materials Letters</i> , 2010 , 64, 1822-1824	3.3	18
207	Optimization of Growth Temperature of Γ -Ga ₂ O ₃ Thin Films for Solar-Blind Photodetectors. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 3613-3618	1.3	18
206	Stabilization and enhanced energy gap by Mg doping in Γ -phase Ga ₂ O ₃ thin films. <i>AIP Advances</i> , 2018 , 8, 025008	1.5	17

205	Dual-band photodetector with a hybrid Au-nanoparticles/ β -Ga ₂ O ₃ structure. <i>RSC Advances</i> , 2016 , 6, 66924-66929	3.7	17
204	Deep ultraviolet photodetectors based on p-Si/i-SiC/n-Ga ₂ O ₃ heterojunction by inserting thin SiC barrier layer. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	17
203	One-dimensional manganese oxide nanostructures as radical scavenger to improve membrane electrolyte assembly durability of proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2013 , 230, 96-100	8.9	17
202	Phase Relations in the System BiO _{1.5} /bO _{1.5} /uO. <i>Journal of Solid State Chemistry</i> , 1998 , 139, 398-403	3.3	17
201	Preparation and characterization of CdS/Si coaxial nanowires. <i>Solid State Communications</i> , 2006 , 138, 139-142	1.6	17
200	Preliminary study for the effects of temperatures on optoelectrical properties of β -Ga ₂ O ₃ thin films. <i>Vacuum</i> , 2019 , 166, 79-83	3.7	16
199	Thickness Tuning Photoelectric Properties of β -Ga ₂ O ₃ Thin Film Based Photodetectors. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 9091-9094	1.3	16
198	Low-voltage-worked photodetector based on Cu ₂ O/GaOOH shell-core heterojunction nanorod arrays. <i>Journal of Alloys and Compounds</i> , 2018 , 755, 199-205	5.7	16
197	Photovoltaic performance enhancement of CdS quantum dot-sensitized TiO ₂ photoanodes with plasmonic gold nanoparticles. <i>Journal of Alloys and Compounds</i> , 2014 , 589, 218-225	5.7	16
196	Thermal conversion of tungsten oxide nanorods to tungsten disulfide nanoflakes. <i>Journal of Alloys and Compounds</i> , 2009 , 474, 463-467	5.7	16
195	Structural, transport, and magnetic properties of PrBa _{2-x} Sr _x Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1997 , 56, 9153-9157	5.7	16
194	High resistivity of tetragonal Pr _{1+x} Ba _{2-x} Cu ₃ O _y solid solution. <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 315, 66-70	1.3	16
193	Ultra-wide bandgap semiconductor of β -Ga ₂ O ₃ and its research progress of deep ultraviolet transparent electrode and solar-blind photodetector. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019 , 68, 078501	0.6	16
192	Impurity Compensation Effect Induced by Tin Valence Change in β -GaSnO Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 983-988	9.5	15
191	Catalyst-free chemical vapor deposition route to InN nanowires and their cathodoluminescence properties. <i>Journal of Alloys and Compounds</i> , 2012 , 535, 50-52	5.7	15
190	Tuning the morphologies of SiC nanowires via the change of the Co _x Si _y melts. <i>Nano-Micro Letters</i> , 2010 , 2, 11-17	19.5	15
189	Structure and uniaxial magnetocrystalline anisotropy of intermetallic compounds La ₂ Co _{17-x} Ti _x . <i>Applied Physics Letters</i> , 1997 , 71, 1869-1871	3.4	15
188	Electronic structure and magnetism of EuX (X = O, S, Se and Te): A first-principles investigation. <i>Europhysics Letters</i> , 2008 , 83, 69001	1.6	15

187	Magnetic properties of Mn-doped transparent CuAlO ₂ semiconductor. <i>Journal of Alloys and Compounds</i> , 2005 , 396, 40-43	5.7	15
186	Thickness dependence of superconductivity for YBa ₂ Cu ₃ O _y ultra-thin films. <i>Superconductor Science and Technology</i> , 2000 , 13, 580-583	3.1	15
185	A facile route to porous beta-gallium oxide nanowires-reduced graphene oxide hybrids with enhanced photocatalytic efficiency. <i>Journal of Alloys and Compounds</i> , 2015 , 623, 24-28	5.7	14
184	Gas-assisted etching of niobium with focused ion beam. <i>Microelectronic Engineering</i> , 2005 , 78-79, 29-33	2.5	14
183	Fabrication of CdS/Bi nanocable heterostructures by one-step thermal evaporation. <i>Applied Physics Letters</i> , 2005 , 86, 143102	3.4	14
182	Comparison of T _c -depression of Pr at Y- and Ba-sites in YBa ₂ Cu ₃ O _y . <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 315, 59-65	1.3	14
181	EGaO nanorod arrays with high light-to-electron conversion for solar-blind deep ultraviolet photodetection.. <i>RSC Advances</i> , 2019 , 9, 6064-6069	3.7	13
180	A facile route to silver-cadmium sulfide core-shell nanoparticles and their nonlinear optical properties. <i>Materials Letters</i> , 2013 , 104, 76-79	3.3	13
179	Temperature-dependent resistive switching behavior in the structure of Au/Nb:SrTiO ₃ /Ti. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 111, 303-308	2.6	12
178	Signal processing method of a laser synthetic wavelength interferometer. <i>Measurement Science and Technology</i> , 2010 , 21, 015106	2	12
177	Low-temperature synthesis and photoluminescence of ZnO nanostructures by a facile hydrothermal process. <i>Journal of Alloys and Compounds</i> , 2010 , 489, 566-569	5.7	12
176	Doping tuned rectifying properties in La _{2-x} Sr _x CuO ₄ /Nb:SrTiO ₃ heterojunctions. <i>Applied Physics Letters</i> , 2009 , 94, 143506	3.4	12
175	Fabrication and Photoluminescence of Hierarchical SiC Nanowires. <i>Current Nanoscience</i> , 2012 , 8, 226-231	1.4	12
174	Facile synthesis of well-aligned ZnO nanowire arrays and their photoluminescence properties. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 744-748	5.7	12
173	Self-Powered EGa ₂ O ₃ Solar-Blind Photodetector Based on the Planar Au/Ga ₂ O ₃ Schottky Junction. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 065011	2	12
172	Fe doping-stabilized EGa ₂ O ₃ thin films with a high room temperature saturation magnetic moment. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 536-542	7.1	12
171	Designing strained C ₂ N/GaTe(InTe) heterostructures for photovoltaic and photocatalytic application. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152559	5.7	12
170	Ultrahigh-performance planar EGa ₂ O ₃ solar-blind Schottky photodiode detectors. <i>Science China Technological Sciences</i> , 2021 , 64, 59-64	3.5	12

- 169 Subsolidus phase relations of Bi₂O₃?Nd₂O₃?CuO. *Journal of Alloys and Compounds*, **1997**, 248, 106-111 5.7 11
- 168 Different parameters for the deposition of La_{1.85}Sr_{0.15}CuO₄ and Nd_{1.85}Ce_{0.15}CuO₄ superconducting films by the novel pulsed electron deposition technique. *Physica C: Superconductivity and Its Applications*, **2007**, 453, 64-69 1.3 11
- 167 Ultrathin films of YBaCuO grown on YSZ substrates with a new buffer layer Nd-Cu-O. *IEEE Transactions on Applied Superconductivity*, **1999**, 9, 1661-1664 1.8 11
- 166 Crystal structure and magnetism of LaCo₁₃Ni₄FexSi_y compounds. *Journal of Applied Physics*, **1996**, 80, 336-341 2.5 11
- 165 16 \times Linear Solar-Blind UV Photoconductive Detector Array Based on Ga₂O₃ Film. *IEEE Transactions on Electron Devices*, **2021**, 68, 3435-3438 2.9 11
- 164 Direct charge carrier injection into Ga₂O₃ thin films using an In₂O₃ cathode buffer layer: their optical, electrical and surface state properties. *Journal Physics D: Applied Physics*, **2017**, 50, 135109 3 10
- 163 Multilevel resistance switching of Ag/Nb-doped SrTiO₃/Ti structure. *Applied Physics A: Materials Science and Processing*, **2012**, 109, 219-222 2.6 10
- 162 Cathodoluminescence variation of a single tapered CdS nanowire. *Journal of Alloys and Compounds*, **2011**, 509, 5020-5022 5.7 10
- 161 Hetero-nanostructure of silver nanoparticles on MO_x (M = Mo, Ti and Si) and their applications. *Science China Chemistry*, **2011**, 54, 865 7.9 10
- 160 Facile route to well-aligned ZnO nanowire arrays. *Materials Letters*, **2009**, 63, 718-720 3.3 10
- 159 Catalytic-free growth of ZnGa₂O₄ nanowires on amorphous carbon layers. *Materials Letters*, **2009**, 63, 1928-1930 3.3 10
- 158 Crystallographic and electrochemical performances of LaMgNiAlMo-based alloys as anode materials for nickel-metal hydride batteries. *Journal of Alloys and Compounds*, **2009**, 476, 874-877 5.7 10
- 157 Structure and magnetic properties of compounds. *Journal of Physics Condensed Matter*, **1997**, 9, 7463-7468 10
- 156 Ammonium dicyanamide as a precursor for the synthesis of metal nitride and carbide nanoparticles. *Diamond and Related Materials*, **2007**, 16, 1974-1981 3.5 10
- 155 Pt/Ga/C and Pt/C composite nanowires fabricated by focused ion and electron beam induced deposition. *Physica Status Solidi (A) Applications and Materials Science*, **2006**, 203, 282-286 1.6 10
- 154 Superconducting Nd_{1.85}Ce_{0.15}CuO₄ films grown by the pulsed electron deposition technique. *Physica C: Superconductivity and Its Applications*, **2006**, 450, 96-100 1.3 10
- 153 Fabrication and characterization of heteroepitaxial bilayers of LaCaMnO/YBaCuO. *Materials Research Bulletin*, **2002**, 37, 2531-2538 5.1 10
- 152 Structure and magnetic properties of CeFe₁₃Six compounds. *Journal of Applied Physics*, **1995**, 78, 2866-2867 10

151	Tailoring the solar-blind photoresponse characteristics of Ga_2O_3 epitaxial films through lattice mismatch and crystal orientation. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 24LT01	3	9
150	Ga-catalyzed growth of ZnSe nanowires and the cathodoluminescence and electric transport properties of individual nanowire. <i>Materials Chemistry and Physics</i> , 2012 , 133, 823-828	4.4	9
149	Photoelectrocatalytic activity of flexible PEDOT/PSS/silicon carbide nanowire films. <i>RSC Advances</i> , 2015 , 5, 99143-99147	3.7	9
148	Sublimation sandwich route to ultralong zinc-blende ZnSe nanowires and the cathodoluminescence properties of individual nanowires. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3306-3309	5.7	9
147	Large-scale SnO ₂ nanowires synthesized by direct sublimation method and their enhanced dielectric responses. <i>Materials Letters</i> , 2009 , 63, 357-359	3.3	9
146	Magnetic and electrical transport properties of nanostructured La _{0.67} Ca _{0.33} MnO ₃ networks. <i>Journal of Alloys and Compounds</i> , 2008 , 460, 60-63	5.7	9
145	p-GaSe/n-Ga ₂ O ₃ van der Waals Heterostructure Photodetector at Solar-Blind Wavelengths with Ultrahigh Responsivity and Detectivity. <i>ACS Photonics</i> , 2021 , 8, 2256-2264	6.3	9
144	Epitaxial growth and characterization of CuGa ₂ O ₄ films by laser molecular beam epitaxy. <i>AIP Advances</i> , 2017 , 7, 115216	1.5	8
143	Spin dependent electrical abnormal in TbFeO ₃ . <i>Journal of Alloys and Compounds</i> , 2012 , 519, 82-84	5.7	8
142	Synthesis of N-deficient GaN nanoparticles and its enhanced dielectric response. <i>Applied Surface Science</i> , 2009 , 255, 3843-3847	6.7	8
141	Preparation, characterization and growth mechanism study of CdS/Cr nanostructures. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 888-891	5.7	8
140	Effects of Mn and Cu doping in La(T,Al) ₁₃ (T=Fe,Co) on crystal structure and magnetic properties. <i>Journal of Alloys and Compounds</i> , 1997 , 257, 69-74	5.7	8
139	Ammonium dicyanamide as a precursor for the synthesis of BN, NbN, Mo ₂ N and WN nanoparticles. <i>Materials Letters</i> , 2008 , 62, 1539-1542	3.3	8
138	Preparation of nitrides and carbides from g-C ₃ N ₄ . <i>Materials Chemistry and Physics</i> , 2007 , 105, 234-239	4.4	8
137	Ultrahigh Gain Solar Blind Avalanche Photodetector Using an Amorphous GaO-Based Heterojunction. <i>ACS Nano</i> , 2021 , 15, 16654-16663	16.7	8
136	Investigations of monoclinic- and orthorhombic-based (BxGa _{1-x}) ₂ O ₃ alloys. <i>Applied Physics Letters</i> , 2020 , 117, 012104	3.4	8
135	The electronic structure and magnetic property of the Mn doped Ga_2O_3 . <i>Superlattices and Microstructures</i> , 2019 , 125, 330-337	2.8	8
134	High-Performance Dual-Mode Solar-Blind Sensor of a Si-Doped Ga_2O_3 Trench Schottky Photodiode. <i>IEEE Sensors Journal</i> , 2021 , 21, 18663-18669	4	8

133	Rectifying Effect of the Sr ₃ Al ₂ O ₆ /Ga ₂ O ₃ Heterojunction. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1900570	1.6	7
132	A Nafion [®] /silica cathode electrolyte for durable elevated-temperature direct methanol fuel cells. <i>Journal of Power Sources</i> , 2011 , 196, 1123-1126	8.9	7
131	X-ray photoelectron spectroscopy study for band alignments of BaTiO ₃ /Ga ₂ O ₃ and In ₂ O ₃ /Ga ₂ O ₃ heterostructures. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020 , 38, 023202	2.9	7
130	Structural and photoelectrical properties of Ga ₂ O ₃ /SiC/Al ₂ O ₃ multilayers. <i>Journal of Alloys and Compounds</i> , 2017 , 717, 8-13	5.7	6
129	Ultralong zinc-blende ZnS nanowires grown on polar C face of 6H-SiC substrates at low temperatures by metalorganic chemical vapor deposition. <i>Materials Research Bulletin</i> , 2011 , 46, 501-504 ^{5.1}	5.1	6
128	Propeller-Shaped ZnO Nanostructures Obtained by Chemical Vapor Deposition: Photoluminescence and Photocatalytic Properties. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-5	3.2	6
127	Self-assembly of modified silica nanospheres at the liquid/liquid interface. <i>Materials Letters</i> , 2010 , 64, 463-465	3.3	6
126	Subsolidus phase relations in BiO ₃ /2Ti ₂ O ₃ /2CuO system. <i>Journal of Alloys and Compounds</i> , 1997 , 252, 143-147	5.7	6
125	Growth and characterization of Eu-Cu-O thin films on YSZ[100] substrates. <i>IEEE Transactions on Applied Superconductivity</i> , 2001 , 11, 2746-2748	1.8	6
124	Preparation and characterization of NdBa/sub 2/Cu/sub 3/O/sub y/ thin films. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 1590-1593	1.8	6
123	Photoresponsive characteristics of EFG-grown iron-doped (100) Ga ₂ O ₃ substrate with low dark current. <i>Physica Scripta</i> , 2021 , 96, 065801	2.6	6
122	Reinforcement of double built-in electric fields in spiro-MeOTAD/Ga ₂ O ₃ /Si p-i-n structure for a high-sensitivity solar-blind UV photovoltaic detector. <i>Journal of Materials Chemistry C</i> ,	7.1	6
121	Quasi-Epitaxial Growth of E-GaO-Coated Wide Band Gap Semiconductor Tape for Flexible UV Photodetectors.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	6
120	Low driven voltage red LEDs using Eu-doped Ga ₂ O ₃ films on GaAs. <i>Applied Physics Express</i> , 2019 , 12, 061009	2.4	5
119	Interface induced transition from bipolar resistive switching to unipolar resistive switching in Au/Ti/GaO _x /NiO _x /ITO structures. <i>RSC Advances</i> , 2015 , 5, 82403-82408	3.7	5
118	High-insulating E-Ga ₂ O ₃ thin films by doping with a valence controllable Fe element. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	5
117	Electrochemistry-assisted microstructuring of reduced graphene oxide-based microarrays with adjustable electrical behavior. <i>Electrochemistry Communications</i> , 2014 , 48, 86-90	5.1	5
116	Layer-by-layer assembled porous CdSe films incorporated with plasmonic gold and improved photoelectrochemical behaviors. <i>Electrochimica Acta</i> , 2013 , 108, 680-689	6.7	5

115	Crystal structure and electrical transport property of KMF ₃ (M = Mn, Co, and Ni). <i>Powder Diffraction</i> , 2013 , 28, S3-S6	1.8	5
114	Synthesis and crystal structure of Co ₂ (OH) ₂ CO ₃ by Rietveld method. <i>Powder Diffraction</i> , 2010 , 25, S7-S108		5
113	Anomalous positive magnetoresistance effect in La _{0.67} Ca _{0.33} MnO ₃ microbridges. <i>Journal of Alloys and Compounds</i> , 2009 , 485, 802-806	5.7	5
112	Superconductivity of YBa ₂ □ Nd _x Cu ₃ O _y Solid Solution. <i>Journal of Superconductivity and Novel Magnetism</i> , 1998 , 11, 221-223		5
111	MAGNETIC AND ELECTRONIC TRANSPORT PROPERTIES OF NANOSTRUCTURED La _{0.67} Ca _{0.33} MnO ₃ FILMS. <i>International Journal of Modern Physics B</i> , 2005 , 19, 2526-2531	1.1	5
110	Excellent buffer layer for growing high-quality YBaCuO thin films. <i>Journal of Materials Research</i> , 2001 , 16, 2864-2868	2.5	5
109	Crystal structure and magnetic properties of LaCo ₁₀ Al ₃ . <i>Applied Physics Letters</i> , 1996 , 68, 260-262	3.4	5
108	Enhancing the self-powered performance in VO _x /Ga ₂ O ₃ heterojunction ultraviolet photodetector by hole-transport engineering. <i>Journal of Alloys and Compounds</i> , 2022 , 902, 163801	5.7	5
107	. <i>IEEE Sensors Journal</i> , 2021 , 21, 26724-26730	4	5
106	Flexible and highly stable solar-blind photodetector based on room-temperature synthesis of amorphous Ga ₂ O ₃ film. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 484004	3	5
105	Fabrication of a poly(N-vinyl carbazole)/?-Ga ₂ O ₃ organic/inorganic heterojunction diode for solar-blind sensing applications. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 215104	3	5
104	A study for the influences of temperatures on ZnGa ₂ O ₄ films and solar-blind sensing performances. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 405107	3	5
103	Structural, magnetic and electrical transport properties of double perovskite Tb ₂ MnCoO ₆ . <i>Journal of Materials Research</i> , 2016 , 31, 1038-1045	2.5	5
102	Self-powered solar-blind photodiodes based on EFG-grown (100)-dominant E-Ga ₂ O ₃ substrate*. <i>Chinese Physics B</i> , 2021 , 30, 017302	1.2	5
101	High-sensitive, self-powered deep UV photodetector based on p-CuSCN/n-Ga ₂ O ₃ thin film heterojunction. <i>Optics Communications</i> , 2021 , 504, 127483	2	5
100	Solution-processed Y-doped SnSrO ₃ electron transport layer for Ga ₂ O ₃ based heterojunction solar-blind photodetector with high sensitivity. <i>Vacuum</i> , 2022 , 201, 111064	3.7	5
99	Interfacial properties of two-dimensional graphene/ZrS ₂ and ScS ₂ /ZrS ₂ contacts. <i>Applied Surface Science</i> , 2019 , 476, 778-788	6.7	4
98	Structural characteristics of surface-functionalized nitrogen-doped diamond-like carbon films and effective adjustment to cell attachment. <i>Chinese Physics B</i> , 2015 , 24, 056804	1.2	4

97	Crystal structure and electrical transport properties of polycrystalline TbMn ₁ FeO ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 85, 81-85	3.9	4
96	Magnetic properties and crystal structure of Ga ₂ Fe _x O ₃ . <i>Powder Diffraction</i> , 2018 , 33, 195-201	1.8	4
95	Coupling interaction between a single emitter and the propagating surface plasmon polaritons in a graphene microribbon waveguide. <i>Chinese Physics B</i> , 2014 , 23, 038101	1.2	4
94	Theory of control of optomechanical transducers for quantum networks. <i>Physical Review A</i> , 2012 , 85,	2.6	4
93	Carrier tuned rectifying-like behavior in superconducting La _{1.8} Sr _{0.2} CuO ₄ /La _{1.9} Sr _{0.1} CuO ₄ bilayers. <i>Applied Physics Letters</i> , 2013 , 102, 112601	3.4	4
92	Ultracompact Refractive Index Sensor Based on Surface-Plasmon-Polariton Interference. <i>Chinese Physics Letters</i> , 2012 , 29, 127304	1.8	4
91	The influence of fluorine on the structures and properties of. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 1249-1259	1.8	4
90	Structure and magnetic properties of Gd ₃ (Fe _{1-x} Ti _x) ₂₉ (x=0.0110.034). <i>Journal of Alloys and Compounds</i> , 1998 , 270, 47-52	5.7	4
89	Adsorption and reaction of methanethiol on the Ru(0 0 0 1)-p(2 × 2)O surface: A TPD and XPS study. <i>Surface Science</i> , 2007 , 601, 2005-2011	1.8	4
88	Tunnelling current in YBa ₂ Cu ₃ O _{7-x} /Nb-doped SrTiO ₃ heterojunctions. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 4578-4581	3	4
87	Single-layer graphene electrode enhanced sensitivity and response speed of E-Ga ₂ O ₃ solar-blind photodetector. <i>Optical Materials Express</i> , 2019 , 9, 1394	2.6	4
86	Conduction Mechanism in (La _{0.7} Sr _{0.3}) _n MnO ₃ (BiFeO ₃) _n Multilayered Thin Films. <i>Journal of the Korean Physical Society</i> , 2010 , 57, 268-271	0.6	4
85	High-responsivity solar-blind photodetector based on MOCVD-grown Si-doped E-Ga ₂ O ₃ thin film*. <i>Chinese Physics B</i> , 2021 , 30, 057301	1.2	4
84	Enhanced deep-ultraviolet sensing by an all-inorganic p-PZT/n-Ga ₂ O ₃ thin-film heterojunction. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 195104	3	4
83	A broadband UV-visible photodetector based on a Ga ₂ O ₃ /BFO heterojunction. <i>Physica Scripta</i> , 2021 , 96, 125823	2.6	4
82	Enhanced solar-blind photoresponse characteristics in E-Ga ₂ O ₃ epitaxial films on large miscut sapphire substrates. <i>Journal of Alloys and Compounds</i> , 2021 , 877, 160143	5.7	4
81	Rectifying characteristics and solar-blind photoresponse in E-Ga ₂ O ₃ /ZnO heterojunctions. <i>Chinese Physics B</i> , 2019 , 28, 088503	1.2	3
80	Synthesis of free-standing Ga ₂ O ₃ films for flexible devices by water etching of Sr ₃ Al ₂ O ₆ sacrificial layers. <i>Chinese Physics B</i> , 2019 , 28, 017305	1.2	3

79	Biaxial strain-induced strong enhancement of upconversion photoluminescence in lanthanide-doped ferroelectric thin films. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 234002	3	3
78	Phase junction enhanced photocatalytic activity of GaO nanorod arrays on flexible glass fiber fabric.. <i>RSC Advances</i> , 2020 , 10, 11499-11506	3-7	3
77	The structure and magnetic properties of $(\text{Ga}_{0.96}\text{Mn}_{0.04})_2\text{O}_3$ thin film. <i>Journal of Semiconductors</i> , 2018 , 39, 053002	2-3	3
76	Novel pulsed electron deposition route to ZnO nanowire arrays. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2776-2779	5-7	3
75	Layered $\text{Bi}_2\text{Ca}_3\text{Co}_2\text{O}_9$ composite as anode material for lithium-ion battery. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 98, 281-284	2.6	3
74	Microstructural characterization of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films grown on Y_2O_3 . <i>Thin Solid Films</i> , 2003 , 437, 272-275	2.2	3
73	Gas-assisted focused ion beam etching characteristics of niobium. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 585		3
72	Deposition of high quality CMR thin films by rf magnetron sputtering under pure argon gas. <i>Materials Research Bulletin</i> , 2001 , 36, 1463-1469	5-1	3
71	High-Tc ramp-type Josephson junctions with a continually graded $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_y$ barrier. <i>Applied Physics Letters</i> , 2001 , 79, 3101-3103	3-4	3
70	Metalliclike mictomagnetic state in $\text{La}_{0.55}\text{R}_{0.15}\text{Ca}_{0.3}\text{MnO}_3$ (R=Y and Ho). <i>Journal of Applied Physics</i> , 1998 , 84, 651-653	2.5	3
69	Metamagnetic transition in $\text{PrCo}_{13}\text{Si}_6$. <i>Journal of Applied Physics</i> , 1996 , 79, 7887-7890	2.5	3
68	The Effect of Mn Dopant on Structural and Optoelectronic Properties of Ga_2O_3 thin Film Photodetectors. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 055010	2	3
67	Tuning the morphologies of SiC nanowires via the change of the Co_xSi_y melts 2010 , 2, 11		3
66	$\text{Ti}_3\text{C}_2/\text{Ga}_2\text{O}_3$ Schottky Self-powered Solar-blind Photodetector with Robust Responsivity. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 1-1	3.8	3
65	Surface-enhanced Raman scattering of gold/graphene oxide composite materials fabricated by interface self-assembling. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014 , 63, 107801	0.6	3
64	Electrical Characterizations of Planar GaO Schottky Barrier Diodes. <i>Micromachines</i> , 2021 , 12,	3-3	3
63	Ga_2O_3 -Based Power Devices: A Concise Review. <i>Crystals</i> , 2022 , 12, 406	2.3	3
62	Nonvolatile conductive filaments resistive switching behaviors in $\text{Ag}/\text{GaO}_x/\text{Nb}:\text{SrTiO}_3/\text{Ag}$ structure. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	2

61	Structure, morphology, and nonlinear optical properties of orthorhombic $\text{Ca}(\text{HCOO})_2$ single crystals. <i>Optical Materials Express</i> , 2018 , 8, 2238	2.6	2
60	Electrical and Optical Properties of In_2O_3 Thin Films Deposited on Sapphire Substrate. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 1220-1223	1.3	2
59	Focused ion beam fabrication and magneto-electrical transport properties of $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ nanobridge. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 115, 791-795	2.6	2
58	FABRICATION AND CHARACTERIZATION OF $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4/\text{Nb-SrTiO}_3$ HETEROJUNCTIONS IN DIFFERENT DOPED REGIMES. <i>Modern Physics Letters B</i> , 2013 , 27, 1350005	1.6	2
57	Electrochemical behavior of gold nanoparticles modified nitrogen incorporated tetrahedral amorphous carbon and its application in glucose sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 11064-8	1.3	2
56	Spin transmission in a series of magnetic barrier structure. <i>Physica B: Condensed Matter</i> , 2007 , 389, 281-288		2
55	The size effect on transport properties of colossal magnetoresistance materials $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ 2008 , 51, 251-257		2
54	Selective growth of zigzagged and straight GaN nanowires by sublimation sandwich method and their photoluminescence property. <i>Applied Surface Science</i> , 2008 , 255, 2040-2045	6.7	2
53	Studies of the microstructures of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ heterostructural films. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 377, 487-493	1.3	2
52	Micro-structural analysis of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films grown on different substrates by X-ray techniques. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 361, 260-266	1.3	2
51	Ultrathin films of $\text{YBa}_2\text{Cu}_3\text{O}_7$ on YSZ (100) substrate with $\text{Eu}_2\text{Cu}_2\text{O}$ buffer. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 2385-2386	1.3	2
50	A comparative study of ferromagnetic transition temperatures for some perovskite manganates. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 1387-1392	1.8	2
49	Normal state pseudo-gap inc-axis oriented $\text{NdBa}_2\text{Cu}_3\text{O}_x$ thin films. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 8555-8560	1.8	2
48	Site-Specific X-Ray Absorption of Twin-Free (105) $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Films. <i>Physica Status Solidi (B): Basic Research</i> , 1999 , 215, 579-582	1.3	2
47	Crystallographic and magnetic properties of $\text{NdCo}_{11}\text{Si}_6$ compounds. <i>Journal of Applied Physics</i> , 1996 , 80, 5200-5204	2.5	2
46	Oxygen vacancies modulating self-powered photoresponse in PEDOT:PSS/ EGa_2O_3 heterojunction by trapping effect. <i>Science China Technological Sciences</i> , 2022 , 65, 704	3.5	2
45	A self-powered $\text{EGa}_2\text{O}_3/\text{CsCu}_2\text{I}_3$ heterojunction photodiode responding to deep ultraviolet irradiation. <i>Current Applied Physics</i> , 2021 ,	2.6	2
44	A Spiro-MeOTAD/ GaO/Si p-i-n Junction Featuring Enhanced Self-Powered Solar-Blind Sensing via Balancing Absorption of Photons and Separation of Photogenerated Carriers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57619-57628	9.5	2

43	Enhancement-mode normally-off $\text{EGa}_2\text{O}_3\text{:Si}$ metal-semiconductor field-effect deep-ultraviolet phototransistor. <i>Semiconductor Science and Technology</i> , 2022 , 37, 015001	1.8	2
42	ELECTRICAL PROPERTIES OF PHOSPHORUS INCORPORATED TETRAHEDRAL AMORPHOUS CARBON FILMS. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2010 , 2010, 201-205		2
41	Zn/Mg co-alloyed for higher photoelectric performance and unchanged spectral response in EGa_2O_3 solar-blind photodetector. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 035103	3	2
40	Solution Spin-Coated BiFeO_3 onto Ga_2O_3 towards Self-Powered Deep UV Photo Detector of $\text{Ga}_2\text{O}_3/\text{BiFeO}_3$ Heterojunction. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	2
39	$\text{Ga}_2\text{O}_3/\text{BiFeO}_3$ Heterojunction Photovoltaic Photodetector With Superhigh Solar-Blind Spectral Discriminability. <i>IEEE Transactions on Electron Devices</i> , 2022 , 1-6	2.9	2
38	Rectifying Characteristics and Semiconductor-Metal Transition Induced by Interfacial Potential in the $\text{MnCuN}/\text{n-Si}$ Intermetallic Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12592-12600	0.5	1
37	Composition tuning of rectifying polarity of colloidal CdS/Se nanocrystal-based devices. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	1
36	A Review of the Influential Factors on the Ferroelectric Domain Structure in BiFeO_3 Thin Films. <i>Key Engineering Materials</i> , 2013 , 544, 219-225	0.4	1
35	Influence of oxygen vacancy on resistive switching property of $\text{Ag}/\text{Nb}:\text{SrTiO}_3/\text{Ti}$ structure. <i>Materials Technology</i> , 2013 , 28, 375-379	2.1	1
34	Optoelectronic properties of $\text{CdSe}_{0.75}\text{S}_{0.25}$ nanocrystals assembled into micro-electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 5640-4	1.3	1
33	FERROELECTRIC SWITCHING PATH IN MONODOMAIN RHOMBOHEDRAL BiFeO_3 CRYSTAL: A FIRST-PRINCIPLES STUDY. <i>Journal of Advanced Dielectrics</i> , 2011 , 01, 179-184	1.3	1
32	ELECTRICAL CHARACTERIZATION OF VAPOR-DEPOSITED SINGLE CdS NANOWIRE. <i>International Journal of Modern Physics B</i> , 2011 , 25, 3337-3343	1.1	1
31	Long-distance quantum communication with β polarization maximally entangled states. <i>Annals of Physics</i> , 2010 , 325, 1018-1025	2.5	1
30	Crystal Structure and Magnetic Properties of $\text{LaCo}_{13}\text{Al}_x$ Compounds. <i>Physica Status Solidi A</i> , 1997 , 159, 297-304		1
29	Thickness dependence of superconductivity for $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ thin film deposited by pulsed electron deposition technique. <i>Journal of Alloys and Compounds</i> , 2008 , 450, 473-476	5.7	1
28	The effect of substrate and annealing temperatures on the microstructure of $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ thin film in pulsed electron deposition process. <i>Journal of Alloys and Compounds</i> , 2008 , 456, 286-289	5.7	1
27	Berry phase and shot noise for spin-polarized and entangled electrons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 360, 486-490	2.3	1
26	Optical microscopy imaging method for detection of electromigration: Theory and experiment. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 1589-1595	1.6	1

25	The early growth and interface of YBa ₂ Cu ₃ O _y thin films deposited on YSZ substrates. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 364-365, 356-359	1.3	1
24	Preparation of continually graded barriers of YPrBaCuO for HTS Josephson junctions. <i>IEEE Transactions on Applied Superconductivity</i> , 2001 , 11, 497-500	1.8	1
23	Enhanced film quality of Y-Ba-Cu-O by using Eu-Cu-O buffer layer on Sr-Ti-O substrates. <i>IEEE Transactions on Applied Superconductivity</i> , 2001 , 11, 2723-2725	1.8	1
22	A NOVEL BUFFER LAYER FOR GROWING ULTRATHIN FILMS OF YBa ₂ Cu ₃ O _y ON YSZ SUBSTRATES. <i>International Journal of Modern Physics B</i> , 1999 , 13, 3660-3662	1.1	1
21	Compatibility of Nd and Ba in YBa/sub 2/Cu/sub 3/O/sub y/ superconductor. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 2113-2116	1.8	1
20	Effects of heat treatment on crystal structure and magnetic properties of LaFe ₁₂ Al _x Mn compounds. <i>Physica Status Solidi (B): Basic Research</i> , 1996 , 195, 277-282	1.3	1
19	Structural properties of ZnO molecules under an external electric field. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 073103	0.6	1
18	Epitaxial Growth and Solar-Blind Photoelectric Characteristic of Ga ₂ O ₃ Film on Various Oriented Sapphire Substrates by Plasma-Enhanced Chemical Vapor Deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2100076	1.6	1
17	A self-powered deep-ultraviolet photodetector based on a hybrid organic-inorganic p-P3HT/n-Ga ₂ O ₃ heterostructure. <i>Physica Scripta</i> , 2022 , 97, 075804	2.6	1
16	Study of structure and magnetic ordering in multiferroics Tb _{1-x} Nd _x MnO ₃ by neutron powder diffraction. <i>Journal of Alloys and Compounds</i> , 2015 , 644, 13-16	5.7	0
15	A Review on Fabrication Methods of BiFeO ₃ Thin Films. <i>Key Engineering Materials</i> , 2013 , 544, 81-86	0.4	0
14	Surface plasmon polaritons suppress photoresponse of colloidal CdS nanorods in nanogap. <i>Applied Physics Express</i> , 2015 , 8, 055001	2.4	
13	Fabrication and characterization of a-oriented TbFeO ₃ /Nb-doped SrTiO ₃ heterostructure. <i>Modern Physics Letters B</i> , 2015 , 29, 1450265	1.6	
12	Controlled synthesis of barium chromate microcrystals. <i>Crystal Research and Technology</i> , 2014 , 49, 919-925	2.5	
11	Preparation and characterization of La _{1.8} Sr _{0.2} CuO ₄ /La _{1.9} Sr _{0.1} CuO ₄ superconducting bilayers. <i>Powder Diffraction</i> , 2013 , 28, S7-S11	1.8	
10	Efficient long-distance quantum communication using microtoroidal resonators. <i>European Physical Journal D</i> , 2011 , 62, 261-264	1.3	
9	Structures and superconductivity of Nd _{0.7} Sr _{1.3} Cu(O,F) ₄ with T _c =44K and its precursor. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 763-764	1.3	
8	Synthesis and superconductivity of fluorides of Pr _{2-x} Sr _x CuO ₄ (x=0.0, 0.4, 1.0). <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 769-770	1.3	

- 7 Influence of a site local moments on ferromagnetic transition temperature in perovskite manganates. *Solid State Communications*, **1997**, 104, 713-716 1.6
- 6 Factors affecting the superconductivity in the process of depositing Nd_{1.85}Ce_{0.15}CuO₄ by the pulsed electron deposition technique **2007**, 50, 747-752
- 5 Switching phenomena in La_{2/3}Ca_{1/3}MnO₃/Eu₂CuO₄/La_{2/3}Ca_{1/3}MnO₃ ramp-type junctions. *Journal of Physics Condensed Matter*, **2004**, 16, 3133-3138 1.8
- 4 Growth of alumina microcones by high-temperature oxidization. *Applied Physics A: Materials Science and Processing*, **2005**, 81, 1269-1272 2.6
- 3 Growth of Eu₂Cu₂O thin films on YSZ (100) substrates. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 2387-2388 1.3
- 2 Field Plate-Adaptive Doping: A Novel Surface Electric Field Optimization Technique for SOI LDMOS With Gate Field Plate. *IEEE Transactions on Electron Devices*, **2022**, 69, 291-297 2.9
- 1 Large bandgap tuning in corundum Al₂(O_{1-x}S_x)₃. *Journal of Materials Chemistry C*, **2021**, 9, 7436-7443 7.1