

Monika Tomar

List of Publications by Year in descending order

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papers

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71102

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304
all docs

304
docs citations

304
times ranked

6765
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on energy storage properties of BFO/WO_3 bilayer thin film capacitor. Energy Storage, 2023, 5, .	4.3	2
2	Electrocatalytic Properties of ZnO Thin Film Based Biosensor for Detection of Uric Acid. Springer Proceedings in Materials, 2022, , 1-16.	0.3	1
3	Lattice-strain engineered $\text{KxNa}_{1-x}\text{NbO}_3$ thin films near the morphotropic phase boundary for enhanced electrical properties. Materials Chemistry and Physics, 2022, 277, 125512.	4.0	0
4	Effect of different anode electrodes with $\text{Li}(\text{Li}_0.25\text{Co}_0.37\text{Mn}_0.38)\text{O}_2$ as cathode material on Li: ion battery performance. Journal of Materials Science: Materials in Electronics, 2022, 33, 3901-3913.	2.2	0
5	Double Schottky metal-semiconductor-metal based GaN photodetectors with improved response using laser MBE technique. Journal of Materials Research, 2022, 37, 457-469.	2.6	12
6	Smartphone integrated handheld Long Range Surface Plasmon Resonance based fiber-optic biosensor with tunable SiO_2 sensing matrix. Biosensors and Bioelectronics, 2022, 201, 113919.	10.1	15
7	Enhanced Pyroelectric Coefficient in Ferroelectric Lead Zirconium Titanate Thick Films for Thermal Energy Harvesting Applications. ECS Journal of Solid State Science and Technology, 2022, 11, 023015.	1.8	2
8	Electroluminescence study of InGaN/GaN QW based p-i-n and inverted p-i-n junction based short-wavelength LED device using laser MBE technique. Optical Materials, 2022, 126, 112149.	3.6	11
9	Study of intrinsic point defects in In_2Se_3 based on first principles calculations for the realization of an efficient UV photodetector. Journal of Alloys and Compounds, 2022, 912, 165197.	5.5	4
10	Compositional, electrical and thermal properties of nonstoichiometric titanium oxide thin films for MEMS bolometer applications. Materials Science in Semiconductor Processing, 2022, 148, 106779.	4.0	4
11	Phase-defined growth of In_2Se_3 thin films using PLD technique for high performance self-powered UV photodetector. Applied Surface Science, 2022, 595, 153505.	6.1	8
12	Role of vacancies in tuning the electronic and magnetic properties of BiCoO_3 . Physica Scripta, 2022, 97, 075819.	2.5	1
13	Optical properties of LMBE grown c-axis oriented GaN thin films using Surface Plasmon Resonance technique. Optical Materials, 2022, 131, 112603.	3.6	0
14	Thiol-functionalized multiwall carbon nanotubes for electrochemical sensing of thallium. Materials Chemistry and Physics, 2021, 259, 124068.	4.0	12
15	Influence of magnetic ordering on electronic, optical and magnetic properties of $\text{Bi}_2\text{Fe}_4\text{O}_9$. Materials Today: Proceedings, 2021, 47, 1637-1640.	1.8	3
16	Growth of highly oriented orthorhombic phase of $\text{Bi}_2\text{Fe}_4\text{O}_9$ thin films by pulsed laser deposition. Materials Today: Proceedings, 2021, 47, 1646-1650.	1.8	4
17	Theoretical simulations of SAW based sensor on PVDF. Materials Today: Proceedings, 2021, 47, 1538-1541.	1.8	4
18	Study of band alignment at $\text{MoS}_2/\text{SiO}_2$ interfaces grown by pulsed laser deposition method. Journal of Applied Physics, 2021, 129, 115303.	2.5	3

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19	Comparison of Ferroelectric Photovoltaic Performance in BFO/BTO Multilayer Thin Film Structure Fabricated Using CSD & PLD Techniques. Journal of Electronic Materials, 2021, 50, 1835-1844.	2.2	11
20	Investigation of cadmium-incorporated ZnO thin films for photodetector applications. Superlattices and Microstructures, 2021, 151, 106812.	3.1	9
21	Role of charge states and dopant site in governing electronic properties of Cr doped BiFeO ₃ . Materials Chemistry and Physics, 2021, 263, 124438.	4.0	7
22	Enhanced interlayer coupling and efficient photodetection response of <i>in-situ</i> grown MoS ₂ –WS ₂ van der Waals heterostructures. Journal of Applied Physics, 2021, 129, .	2.5	13
23	Realization of low-power and high mobility thin film transistors based on MoS ₂ layers grown by PLD technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 266, 115047.	3.5	10
24	Demonstration of efficient SBN thin film based miniaturized Mach Zehnder EO modulator. Materials Chemistry and Physics, 2021, 262, 124300.	4.0	1
25	Impact of TiO ₂ buffer layer on the ferroelectric photovoltaic response of CSD grown PZT thick films. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	5
26	Enhancement in the Dielectric Property of Thick Lead Zirconium Titanate Films under UV Illumination. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000728.	1.8	1
27	Enhanced Low Temperature Thermoelectric Properties by Nano-Inclusion of 2D MoS ₂ with Fe:ZnO Thin Films. Journal of Electronic Materials, 2021, 50, 4567-4576.	2.2	2
28	High figure of merit observed in SBN thin film based EO modulator employing WCSPP technique. Optics and Laser Technology, 2021, 137, 106816.	4.6	4
29	Hydrothermal synthesis of micro-flower like morphology aluminum-doped MoS ₂ /rGO nano hybrids for high efficient electromagnetic wave shielding materials. Ceramics International, 2021, 47, 15648-15660.	4.8	15
30	Investigation of optical non-linearity of lead-free ferroelectric potassium sodium niobate (K _{0.35} Na _{0.65} NbO ₃) thin films via two-wave mixing phenomenon. Optics and Laser Technology, 2021, 141, 107148.	4.6	6
31	Investigation of Adulteration in Milk using Surface Plasmon Resonance. ECS Journal of Solid State Science and Technology, 2021, 10, 091004.	1.8	6
32	Role of H impurity as compensating center in BiFeO ₃ by first-principle calculations. Physica Scripta, 2021, 96, 125813.	2.5	0
33	NO ₂ Gas Sensor Based on SnSe/SnSe ₂ <i>p-n</i> Hetrojunction. Journal of Nanoscience and Nanotechnology, 2021, 21, 4779-4785.	0.9	20
34	Electromagnetic interference shielding properties of hierarchical core-shell palladium-doped MoS ₂ /CNT nano hybrid materials. Ceramics International, 2021, 47, 27586-27597.	4.8	5
35	Exploitation of electric field assisted optical signal amplification in ferroelectric photorefractive K _{0.50} Na _{0.50} NbO ₃ thin film. Optical Materials, 2021, 121, 111599.	3.6	1
36	Ferroelectric and magnetic domain mapping of magneto-dielectric Ce doped BiFeO ₃ thin films. Journal of Alloys and Compounds, 2021, 882, 160698.	5.5	6

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37	Development of novel MoS ₂ hydrovoltaic nanogenerators for electricity generation from moving NaCl droplet. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161058.	5.5	14
38	Ferroelectric PZT thin films for photovoltaic application. <i>Materials Science in Semiconductor Processing</i> , 2020, 105, 104723.	4.0	15
39	Synthesis of CdS nanoparticle by sol-gel method as low temperature NO ₂ sensor. <i>Materials Chemistry and Physics</i> , 2020, 239, 121975.	4.0	78
40	Ferroelectric Sr _{0.6} Ba _{0.4} Nb ₂ O ₆ thin film based broadband waveguide coupled surface plasmon electro-optic modulator. <i>Optics and Laser Technology</i> , 2020, 122, 105880.	4.6	4
41	Synthesis of mesoporous γ -Fe ₂ O ₃ nanostructures via nanocasting using MCM-41 and KIT-6 as hard templates for sensing volatile organic compounds (VOCs). <i>Journal of Porous Materials</i> , 2020, 27, 285-294.	2.6	5
42	Surface Plasmon Resonance assisted optical analysis of Strontium Barium Niobate thin films. <i>Applied Surface Science</i> , 2020, 501, 144178.	6.1	7
43	Thermo-optic Aided Tunability of Sr _{0.6} Ba _{0.4} Nb ₂ O ₆ Thin Film-based Electro-optic Modulator Using Waveguide Coupled SPR Modes. <i>Plasmonics</i> , 2020, 15, 661-669.	3.4	4
44	Synthesis and characterization of sol gel derived nontoxic CZTS thin films without sulfurization. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 1194-1200.	2.1	5
45	High-efficiency microwave absorption and electromagnetic interference shielding of Cobalt-doped MoS ₂ nanosheet anchored on the surface reduced graphene oxide nanosheet. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19895-19909.	2.2	6
46	Influence of laser fluence in modifying energy storage property of BiFeO ₃ thin film capacitor. <i>Journal of Energy Storage</i> , 2020, 32, 101769.	8.1	8
47	Room temperature electroluminescence from Laser MBE grown Gallium nitride LEDs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 260, 114655.	3.5	8
48	Molybdenum Disulfide-Wrapped Carbon Nanotube-Reduced Graphene Oxide (CNT/MoS ₂ -rGO) Nanohybrids for Excellent and Fast Removal of Electromagnetic Interference Pollution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40828-40837.	8.0	38
49	Texture evolution in PLD grown ferroelectric Strontium Barium Niobate (SBN) thin films with processing parameters. <i>Superlattices and Microstructures</i> , 2020, 148, 106732.	3.1	2
50	Refractive index tuning of SiO ₂ for Long Range Surface Plasmon Resonance based biosensor. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112508.	10.1	17
51	Effect of laser fluence on multiferroic BiFeO ₃ ferroelectric photovoltaic cells. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 146, 109602.	4.0	14
52	Improved electromagnetic shielding behaviour of graphene encapsulated polypyrrole-graphene nanocomposite in X-band. <i>Composites Science and Technology</i> , 2020, 192, 108113.	7.8	46
53	Electromagnetic interference shielding performance of lightweight NiFe ₂ O ₄ /rGO nanocomposite in X-band frequency range. <i>Ceramics International</i> , 2020, 46, 15473-15481.	4.8	50
54	Effect of growth and electrical properties of TiO _x films on microbolometer design. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6671-6678.	2.2	10

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55	Non-volatile resistive switching in WO ₃ thin films. AIP Conference Proceedings, 2020, , .	0.4	4
56	Plasmon-Assisted Crystalline Silicon Solar Cell with TiO ₂ as Anti-Reflective Coating. Plasmonics, 2020, 15, 1091-1101.	3.4	8
57	Long Range Surface Plasmons assisted highly sensitive and room temperature operated NO ₂ gas sensor. Sensors and Actuators B: Chemical, 2020, 311, 127897.	7.8	31
58	Enhancement in NH ₃ sensing performance of ZnO thin-film via gamma-irradiation. Journal of Alloys and Compounds, 2020, 830, 154641.	5.5	55
59	The role of an unintentional carbon dopant in resolving the controversial conductivity aspects in BiFeO ₃ . Physical Chemistry Chemical Physics, 2020, 22, 10010-10026.	2.8	10
60	High performance UV photodetector based on MoS ₂ layers grown by pulsed laser deposition technique. Journal of Alloys and Compounds, 2020, 835, 155222.	5.5	34
61	SPR studies on optical fiber coated with different plasmonic metals for fabrication of efficient biosensors. Materials Today: Proceedings, 2020, 33, 2180-2186.	1.8	6
62	Tunable electronic and magnetic properties of $\text{Bi}_2\text{Fe}_4\text{O}_9$ transition metal doped Bi ₂ Fe ₄ O ₉ . Journal of Magnetism and Magnetic Materials, 2020, 509, 166893.	2.3	13
63	Mesoporous metal oxide Fe ₂ O ₃ nanocomposites for sensing formaldehyde and ethanol at room temperature. Journal of Physics and Chemistry of Solids, 2020, 145, 109536.	4.0	21
64	Microwave absorption and reflection behaviour of polypyrrole-PMMA-Co _{0.5} Ni _{0.5} Fe ₂ O ₄ nanocomposite in x-band. AIP Conference Proceedings, 2020, , .	0.4	0
65	Refractive Index Sensor Using Long-Range Surface Plasmon Resonance with Prism Coupler. Plasmonics, 2019, 14, 375-381.	3.4	29
66	EMI shielding of ABS composites filled with different temperature-treated equal-quantity charcoals. RSC Advances, 2019, 9, 23718-23726.	3.6	6
67	CoFe ₂ O ₄ nanoparticles decorated MoS ₂ -reduced graphene oxide nanocomposite for improved microwave absorption and shielding performance. RSC Advances, 2019, 9, 21881-21892.	3.6	37
68	Influence of top metal electrode on electrical properties of pulsed laser deposited lead-free ferroelectric K _{0.35} Na _{0.65} NbO ₃ thin films. Materials Science in Semiconductor Processing, 2019, 103, 104618.	4.0	3
69	Label-free amperometric biosensor for Escherichia coli O157:H7 detection. Applied Surface Science, 2019, 495, 143548.	6.1	40
70	Multiferroic BFO/BTO multilayer structures based magnetic field sensor. Physica B: Condensed Matter, 2019, 571, 1-4.	2.7	12
71	CdSe/V ₂ O ₅ core/shell quantum dots decorated reduced graphene oxide nanocomposite for high-performance electromagnetic interference shielding application. Nanotechnology, 2019, 30, 505704.	2.6	18
72	Tailoring in-plane magnetocrystalline anisotropy of Fe ₅ SiB ₂ with Cr-substitution. AIP Conference Proceedings, 2019, , .	0.4	2

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73	Strong electromagnetic wave absorption and microwave shielding in the Ni@Cu@MoS ₂ /rGO composite. Journal of Materials Science: Materials in Electronics, 2019, 30, 18666-18677.	2.2	16
74	Antimicrobial properties of metallic nanoparticles: a qualitative analysis. Materials Today: Proceedings, 2019, 17, 155-160.	1.8	4
75	Optical properties of lead-free ferroelectric potassium sodium niobate (K _x Na _{1-x} NbO ₃) thin films. Materials Today: Proceedings, 2019, 17, 34-40.	1.8	5
76	Impact of plasma dynamics on magneto optic kerr effect (MOKE) in Mn doped BFO thin films. Physica B: Condensed Matter, 2019, 571, 57-63.	2.7	3
77	Electro-optic (EO) effect in proton-exchanged lithium niobate: towards EO modulator. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	6
78	Rapid antibiotic susceptibility testing by resazurin using thin film platinum as a bio-electrode. Journal of Microbiological Methods, 2019, 162, 69-76.	1.6	23
79	Enhanced microwave absorption and suppressed reflection of polypyrrole-cobalt ferrite-graphene nanocomposite in X-band. Journal of Alloys and Compounds, 2019, 797, 1190-1197.	5.5	54
80	Highly sensitive and non-invasive electrochemical immunosensor for salivary cortisol detection. Sensors and Actuators B: Chemical, 2019, 293, 281-288.	7.8	63
81	Enhancement of magnetic anisotropy of Fe ₅ PB ₂ with W substitution: ab-initio study. AIP Conference Proceedings, 2019, , .	0.4	2
82	Fabrication of micro-cantilever and its theoretical validation for energy harvesting applications. Microsystem Technologies, 2019, 25, 4249-4256.	2.0	4
83	In-situ and post deposition analysis of laser MBE deposited GaN films at varying nitrogen gas flow. Vacuum, 2019, 164, 72-76.	3.5	9
84	Development of polyvinylidene fluoride@graphite composites as an alternate material for electromagnetic shielding applications. Materials Research Express, 2019, 6, 075324.	1.6	16
85	Dynamically tuneable PLD grown SBN75 thin film based Electro optic modulator. MRS Advances, 2019, 4, 2265-2269.	0.9	0
86	Investigation on Physical Properties of Sn-Modified Cubic Cu ₂ O Nanostructures. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1671-1679.	1.8	0
87	xmml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif"		

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91	Dielectric and ferroelectric studies of KNN thin film grown by pulsed laser deposition technique. Vacuum, 2019, 160, 233-237.	3.5	17
92	Multifunctional CuO Nanosheets for High-Performance Supercapacitor Electrodes with Enhanced Photocatalytic Activity. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1067-1075.	3.7	28
93	Low resistivity of pulsed laser deposited Cd Zn1-O thin films. Ceramics International, 2019, 45, 1900-1908.	4.8	3
94	Fabrication and characterization of ZnO-TiO2-PANI (ZTP) micro/nanoballs for the detection of flammable and toxic gases. Journal of Hazardous Materials, 2019, 370, 126-137.	12.4	96
95	Pyrene appended bis-triazolylated 1,4-dihydropyridine as a selective fluorogenic sensor for Cu ²⁺ . Dyes and Pigments, 2019, 161, 162-171.	3.7	26
96	ZnO nanostructure-assisted growth of (0002)-oriented GaN thin films by laser molecular beam epitaxy. Journal of Photonics for Energy, 2019, 9, 1.	1.3	3
97	Structural and dielectric properties of Cu _{2-x} Nd _x O nanostructures. AIP Conference Proceedings, 2018, , ,	0.4	3
98	Development of a microfluidic electrochemical biosensor: Prospect for point-of-care cholesterol monitoring. Sensors and Actuators B: Chemical, 2018, 261, 460-466.	7.8	73
99	Highly sensitive Love wave acoustic biosensor for uric acid. Sensors and Actuators B: Chemical, 2018, 261, 169-177.	7.8	48
100	Surface plasmon resonance aided analysis of quantum wells for photonic device applications. Materials and Design, 2018, 150, 94-103.	7.0	8
101	Development of MEMS-Based Lamb Wave Acoustic Devices. IEEE Transactions on Electron Devices, 2018, 65, 1523-1528.	3.0	4
102	Characterization of Lead Zirconium Titanate thin films based multifunctional energy harvesters. Thin Solid Films, 2018, 652, 39-42.	1.8	7
103	Investigation of excess and deficiency of iron in BiFeO ₃ . Materials Chemistry and Physics, 2018, 204, 207-215.	4.0	15
104	Growth of KNN Thin Films for Non-Linear Optical Applications. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700452.	1.8	4
105	Effect of non-magnetic Al ³⁺ doping on structural, optical, electrical, dielectric and magnetic properties of BiFeO ₃ ceramics. Ceramics International, 2018, 44, 4711-4718.	4.8	36
106	Fabrication of surface acoustic wave based wireless NO ₂ gas sensor. Surface and Coatings Technology, 2018, 343, 89-92.	4.8	29
107	Growth of highly porous ZnO nanostructures for carbon monoxide gas sensing. Surface and Coatings Technology, 2018, 343, 49-56.	4.8	28
108	Optical study of ZnS nano spheres with varying amount of ethylenediamine for photovoltaic application. Integrated Ferroelectrics, 2018, 194, 135-144.	0.7	7

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109	Study of electrical, dielectric and EMI shielding behavior of copper metal, copper ferrite and PVDF composite. <i>Integrated Ferroelectrics</i> , 2018, 194, 80-87.	0.7	12
110	MEMS-based microheaters integrated gas sensors. <i>Integrated Ferroelectrics</i> , 2018, 193, 72-87.	0.7	11
111	Effect of Li doping on the electronic and magnetic properties of BiFeO_3 by first principles. <i>Integrated Ferroelectrics</i> , 2018, 193, 123-128.	0.7	3
112	Effect of Pr^{3+} substitution on structural, dielectric, electrical and magnetic properties of $\text{Bi}_{0.80}\text{Ti}_{0.20}\text{O}_3$ [$\text{Bi}_{1-x}\text{Pr}_x\text{Fe}_{0.80}\text{Ti}_{0.20}\text{O}_3$, $x=0.05, 0.10, 0.15$] ceramics. <i>Integrated Ferroelectrics</i> , 2018, 193, 1-13.	0.7	3
113	WO_3/BTO heterostructures based NO_2 sensor with enhanced response characteristics. <i>Integrated Ferroelectrics</i> , 2018, 193, 106-120.	0.7	1
114	Study of birefringence and electro-optic effect in SBN60 thin film. <i>Ferroelectrics</i> , 2018, 533, 35-42.	0.6	0
115	Fabrication of ZnO/Si lamb wave acoustic devices. <i>Ferroelectrics</i> , 2018, 535, 41-46.	0.6	3
116	Facile Synthesis of Porous CuO Nanosheets as High-performance NO_2 Gas Sensor. <i>Integrated Ferroelectrics</i> , 2018, 193, 59-65.	0.7	8
117	XPS resolved surface states analysis of ZnO and Ni doped ZnO films for quantum well applications. <i>Ferroelectrics</i> , 2018, 534, 199-205.	0.6	2
118	Novel designs of SAW devices for highly sensitive chemical sensors. <i>Materials Today: Proceedings</i> , 2018, 5, 15371-15375.	1.8	1
119	Laser Molecular Beam Epitaxy (LMBE) Technique grown GaN p-n junction. <i>Materials Today: Proceedings</i> , 2018, 5, 15361-15365.	1.8	3
120	High frequency Coplanar Microwave Resonator using ferroelectric thin film for Wireless Communication Applications. <i>Materials Today: Proceedings</i> , 2018, 5, 15395-15398.	1.8	2
121	To study the effect of MWCNT incorporated into PVDF-Graphite composites for EMI shielding applications. <i>Materials Today: Proceedings</i> , 2018, 5, 15348-15353.	1.8	11
122	Emergence of magnetism in silicene by introducing carbon atom as foreign atom in all possible ways. <i>Integrated Ferroelectrics</i> , 2018, 194, 53-59.	0.7	0
123	Growth of ternary $\text{Cd}_x\text{Zn}_{1-x}\text{O}$ thin films in oxygen ambient using pulsed laser deposition. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
124	A theoretical and experimental formalism of electronic structure of $\text{BFO}:\text{Cr}$ thin films and modulation of their electrical properties upon visible light illumination. <i>Journal of Applied Physics</i> , 2018, 124, 155304.	2.5	9
125	Effect of top metal contact on the ferroelectric photovoltaic response of BFO thin film capacitors. <i>Vacuum</i> , 2018, 158, 117-120.	3.5	11
126	Development of nanostructured nickel oxide thin film matrix by rf sputtering technique for the realization of efficient bioelectrode. <i>Vacuum</i> , 2018, 158, 68-74.	3.5	10

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127	Structural, morphological and optical properties of BiFe _{0.99} Cr _{0.01} O ₃ thin films. Vacuum, 2018, 158, 166-171.	3.5	9
128	Insight into the gas phase dissociation of CF ₃ CH ₂ I and its reactions with H and OH by first principles. Journal of Molecular Modeling, 2018, 24, 315.	1.8	4
129	Study of optical properties of Ce and Mn doped BiFeO ₃ thin films using SPR technique for magnetic field sensing. Vacuum, 2018, 158, 48-51.	3.5	18
130	Observation of high magnetocrystalline anisotropy on Co doping in rare earth free Fe ₂ P magnetic material. AIP Conference Proceedings, 2018, , .	0.4	0
131	Weak Antilocalization and Quantum Oscillations of Surface States in Topologically Nontrivial DyPdBi(110)Half Heusler alloy. Scientific Reports, 2018, 8, 9931.	3.3	15
132	Waveguide coupled surface plasmon resonance based electro optic modulation in SBN thin films. Applied Surface Science, 2018, 458, 139-144.	6.1	23
133	Demonstration of wide frequency bandwidth electro-optic response in SBN thin film waveguide. Optical Materials, 2018, 85, 26-31.	3.6	11
134	Structural, optical and photocatalytic properties of ZnO nanostructures. AIP Conference Proceedings, 2018, , .	0.4	2
135	Study of half-metallicity in BiMn _x Fe _{1-x} O ₃ . AIP Conference Proceedings, 2018, , .	0.4	1
136	Effect of Vacancies on Structural and Magnetic Properties of BiFeO ₃ . Advanced Science, Engineering and Medicine, 2018, 10, 741-744.	0.3	0
137	To Study the Zinc Metal Powder Filled Polyvinylidene Fluoride Composite for Electromagnetic Interference Shielding Applications. Advanced Science, Engineering and Medicine, 2018, 10, 764-766.	0.3	0
138	Nanostructured NiO-based reagentless biosensor for total cholesterol and low density lipoprotein detection. Analytical and Bioanalytical Chemistry, 2017, 409, 1995-2005.	3.7	29
139	Custom designed metal anchored SnO ₂ sensor for H ₂ detection. International Journal of Hydrogen Energy, 2017, 42, 4597-4609.	7.1	46
140	Reduced graphene oxide-SnO ₂ nanocomposite thin film based CNG/PNG sensor. Sensors and Actuators B: Chemical, 2017, 245, 590-598.	7.8	18
141	Plasmonic assisted two wave mixing phenomenon for energy transfer in ferroelectric PZT film. Optical Materials, 2017, 66, 442-446.	3.6	3
142	SnO ₂ thin film sensor having NiO catalyst for detection of SO ₂ gas with improved response characteristics. Sensors and Actuators B: Chemical, 2017, 248, 998-1005.	7.8	44
143	Low-temperature SnO ₂ -based conductometric SO ₂ gas sensor. Emerging Materials Research, 2017, 6, 3-7.	0.7	2
144	Performance of magnetoelectric PZT/Ni multiferroic system for energy harvesting application. Smart Materials and Structures, 2017, 26, 035002.	3.5	37

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145	A comparative study of RGO-SnO ₂ and MWCNT-SnO ₂ nanocomposites based SO ₂ gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 980-986.	7.8	110
146	Effect of manganese doping on conduction in olivine LiFePO ₄ . <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5192-5199.	2.2	20
147	Enhanced dielectric properties and suppressed leakage current density of PVDF composites flexible film through small loading of submicron Ba _{0.7} Sr _{0.3} TiO ₃ crystallites. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11806-11812.	2.2	20
148	Carbon monoxide (CO) optical gas sensor based on ZnO thin films. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 679-685.	7.8	156
149	Zn doping induced conductivity transformation in NiO films for realization of p-n homo junction diode. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	42
150	A contrivance based on electrochemical integration of graphene oxide nanoparticles/nickel nanoparticles for bilirubin biosensing. <i>Biochemical Engineering Journal</i> , 2017, 125, 238-245.	3.6	21
151	ZnO/ST-Quartz SAW resonator: An efficient NO ₂ gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 840-845.	7.8	81
152	An electrochemical DNA biosensor based on Ni doped ZnO thin film for meningitis detection. <i>Journal of Electroanalytical Chemistry</i> , 2017, 792, 8-14.	3.8	22
153	Effect of Zr substitution on structural, magnetic, and optical properties of Bi _{0.9} Dy _{0.1} Fe _{1-x} Zr _x O ₃ multiferroic ceramics prepared by rapid liquid phase sintering method. <i>Ceramics International</i> , 2017, 43, 4904-4909.	4.8	7
154	Coplanar waveguide resonator using PLZT thin film. <i>Ferroelectrics</i> , 2017, 515, 8-12.	0.6	0
155	An impedimetric response study for the efficient detection of breast cancer specific biomarker CA 15-3 using a tin oxide thin film based immunoelectrode. <i>Analytical Methods</i> , 2017, 9, 6549-6559.	2.7	11
156	A Simple Paper Based Microfluidic Electrochemical Biosensor for Point-of-Care Cholesterol Diagnostics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700468.	1.8	10
157	Investigation of structural, optical, dielectric and magnetic studies of Mn substituted BiFeO ₃ multiferroics. <i>Ceramics International</i> , 2017, 43, 13750-13758.	4.8	40
158	Fabry-perot modes enhanced pump-probe coupling in gold micro-disk patterned ruby thin film. <i>Optical Materials</i> , 2017, 72, 375-379.	3.6	4
159	A novel low-powered uric acid biosensor based on arrayed p-n junction heterostructures of ZnO thin film and CuO microclusters. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 566-575.	7.8	29
160	Influence of 100 MeV Au ⁺⁸ ion on photovoltaic response of BiFeO ₃ /BaTiO ₃ multilayer structures. <i>Materials and Design</i> , 2017, 114, 345-354.	7.0	4
161	Effect of Pr substitution on structural, magnetic, and optical properties of Bi _{1-x} Pr _x Fe _{0.80} Ti _{0.20} O ₃ multiferroic ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1011-1014.	2.2	2
162	Distinct detection of liquor ammonia by ZnO/SAW sensor: Study of complete sensing mechanism. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 83-90.	7.8	37

#	ARTICLE	IF	CITATIONS
163	Structural and magnetic properties of Ni-Zn doped BaM nanocomposite via citrate precursor. AIP Conference Proceedings, 2016, , .	0.4	7
164	Enhanced dielectric properties of multilayered BiFeO ₃ /BaTiO ₃ capacitors deposited by pulsed laser deposition. AIP Conference Proceedings, 2016, , .	0.4	4
165	Study of energy band discontinuity in NiZnO/ZnO heterostructure using X-ray photoelectron spectroscopy. Applied Physics Letters, 2016, 108, .	3.3	16
166	Surface plasmon resonance study on the optical sensing properties of tin oxide (SnO ₂) films to NH ₃ gas. Journal of Applied Physics, 2016, 119, .	2.5	26
167	Long range surface plasmon resonance (LRSPR) based highly sensitive refractive index sensor using Kretschmann prism coupling arrangement. AIP Conference Proceedings, 2016, , .	0.4	8
168	Raman scattering and photoluminescence investigations of N doped ZnO thin films: Local vibrational modes and induced ferromagnetism. Journal of Applied Physics, 2016, 120, .	2.5	34
169	Low temperature operated NiO-SnO ₂ heterostructured SO ₂ gas sensor. AIP Conference Proceedings, 2016, , .	0.4	4
170	Multiferroic cantilever for power generation using dual functionality. Applied Physics Letters, 2016, 109, .	3.3	16
171	EMI shielding of MWCNT/ABS nanocomposites in contrast to graphite/ABS composites and MWCNT/PS nanocomposites. RSC Advances, 2016, 6, 45049-45058.	3.6	32
172	BiFeO ₃ /BaTiO ₃ Multilayer Structures for Solar Energy Harvesting Application. Energy Harvesting and Systems, 2016, 3, 237-243.	2.7	3
173	A ZnO@CNT nanocomposite based electrochemical DNA biosensor for meningitis detection. RSC Advances, 2016, 6, 76214-76222.	3.6	15
174	Table top surface plasmon resonance measurement system for efficient urea biosensing using ZnO thin film matrix. Journal of Biomedical Optics, 2016, 21, 087006.	2.6	11
175	Study of ferroelectric SBN thin films for electro-optic applications. , 2016, , .		2
176	Prominent photovoltaic response in multiferroic BFO/BTO heterostructures. , 2016, , .		0
177	Development of metal oxide thin films for self power generating integrated devices. , 2016, , .		0
178	SAW field and acousto-optical interaction in ZnO/AlN/sapphire structure. , 2016, , .		0
179	Sensitive optical biosensor based on surface plasmon resonance using ZnO/Au bilayered structure. Optik, 2016, 127, 7642-7647.	2.9	26
180	Enhanced CO gas sensing properties of Cu doped SnO ₂ nanostructures prepared by a facile wet chemical method. Physical Chemistry Chemical Physics, 2016, 18, 18846-18854.	2.8	52

#	ARTICLE	IF	CITATIONS
181	Effect of insertion of low leakage polar layer on leakage current and multiferroic properties of BiFeO ₃ /BaTiO ₃ multilayer structure. RSC Advances, 2016, 6, 59150-59154.	3.6	11
182	Effect of ion beam irradiation on dielectric properties of BaTiO ₃ thin film using surface plasmon resonance. Journal of Materials Science, 2016, 51, 4055-4060.	3.7	14
183	Controllable one step copper coating on carbon nanofibers for flexible cholesterol biosensor substrates. Journal of Materials Chemistry B, 2016, 4, 229-236.	5.8	21
184	Detection of Neisseria meningitidis using surface plasmon resonance based DNA biosensor. Biosensors and Bioelectronics, 2016, 78, 106-110.	10.1	33
185	Giant Magnetoelectric Effect in PZT Thin Film Deposited on Nickel. Energy Harvesting and Systems, 2016, 3, 181-188.	2.7	14
186	Photovoltaic effect in BiFeO ₃ /BaTiO ₃ multilayer structure fabricated by chemical solution deposition technique. Journal of Physics and Chemistry of Solids, 2016, 93, 63-67.	4.0	29
187	Influence of samarium doping on magnetic and structural properties of M type Ba ²⁺ Co hexaferrite. Ceramics International, 2016, 42, 8413-8418.	4.8	36
188	Realization of a label-free electrochemical immunosensor for detection of low density lipoprotein using NiO thin film. Biosensors and Bioelectronics, 2016, 80, 294-299.	10.1	30
189	Influence of immobilization strategies on biosensing response characteristics: A comparative study. Enzyme and Microbial Technology, 2016, 82, 144-150.	3.2	9
190	Metal oxide catalyst assisted SnO ₂ thin film based SO ₂ gas sensor. Sensors and Actuators B: Chemical, 2016, 224, 282-289.	7.8	124
191	Cytogenetic and hematological alterations induced by acute oral exposure of imidacloprid in female mice. Drug and Chemical Toxicology, 2016, 39, 59-65.	2.3	30
192	Multiferroic BiFeO ₃ /BaTiO ₃ thin films fabricated by chemical solution deposition technique. Materials Research Society Symposia Proceedings, 2015, 1805, 1.	0.1	1
193	Stress induced enhanced polarization in multilayer BiFeO ₃ /BaTiO ₃ structure with improved energy storage properties. AIP Advances, 2015, 5, .	1.3	25
194	Dielectric dispersion of rf Sputter-deposited SnO ₂ , ZnO, WO ₃ thin films using surface plasmon resonance technique. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 3529-3535.	2.9	1
195	Trap assisted space charge conduction in p-NiO/n-ZnO heterojunction diode. Materials Research Bulletin, 2015, 66, 123-131.	5.2	37
196	Ultraviolet radiation detection by barium titanate thin films grown by sol-gel hydrothermal method. Sensors and Actuators A: Physical, 2015, 230, 175-181.	4.1	25
197	A highly efficient urea detection using flower-like zinc oxide nanostructures. Materials Science and Engineering C, 2015, 57, 38-48.	7.3	26
198	Novel scheme to improve SnO ₂ /SAW sensor performance for NO ₂ gas by detuning the sensor oscillator frequency. Sensors and Actuators B: Chemical, 2015, 220, 154-161.	7.8	30

#	ARTICLE	IF	CITATIONS
199	Transition from diamagnetic to ferromagnetic state in laser ablated nitrogen doped ZnO thin films. AIP Advances, 2015, 5, 027117.	1.3	18
200	Room temperature detection of NO ₂ gas using optical sensor based on surface plasmon resonance technique. Sensors and Actuators B: Chemical, 2015, 216, 497-503.	7.8	56
201	Influence of stress in ZnO thin films on its biosensing application. Enzyme and Microbial Technology, 2015, 79-80, 63-69.	3.2	9
202	Enhanced ferroelectric photovoltaic response of BiFeO ₃ /BaTiO ₃ multilayered structure. Journal of Applied Physics, 2015, 118, .	2.5	38
203	Magnetic hysteresis of cerium doped bismuth ferrite thin films. Journal of Magnetism and Magnetic Materials, 2015, 378, 333-339.	2.3	19
204	Origin and role of elasticity in the enhanced DMMP detection by ZnO/SAW sensor. Sensors and Actuators B: Chemical, 2015, 207, 375-382.	7.8	26
205	ZnO-CuO composite matrix based reagentless biosensor for detection of total cholesterol. Biosensors and Bioelectronics, 2015, 67, 263-271.	10.1	65
206	Effect of MgO and V ₂ O ₅ Catalyst on the Sensing Behaviour of Tin Oxide Thin Film for SO ₂ Gas. Conference Papers in Science, 2014, 2014, 1-4.	0.3	6
207	NO ₂ Sensing Properties of WO ₃ Thin Films Deposited by Rf-Magnetron Sputtering. Conference Papers in Science, 2014, 2014, 1-5.	0.3	1
208	Dielectric Properties of SnO ₂ Thin Film Using SPR Technique for Gas Sensing Applications. Conference Papers in Science, 2014, 2014, 1-4.	0.3	5
209	Enhanced Magnetic and Electric Properties of Nanocrystalline Ce Modified BFO Thin Films. Ferroelectrics, 2014, 470, 272-279.	0.6	14
210	Complex dielectric constant of various biomolecules as a function of wavelength using surface plasmon resonance. Journal of Applied Physics, 2014, 116, .	2.5	53
211	Stabilization of Ferromagnetism in Co Codoped ZnO:N. Integrated Ferroelectrics, 2014, 158, 90-97.	0.7	1
212	Fast Response Ultra-violet Photodetectors Based on Sol Gel Derived Ga-doped ZnO. Procedia Engineering, 2014, 94, 44-51.	1.2	17
213	Magneto-optical properties of BiFeO ₃ thin films using surface plasmon resonance technique. Physica B: Condensed Matter, 2014, 448, 120-124.	2.7	12
214	Glad assisted synthesis of NiO nanorods for realization of enzymatic reagentless urea biosensor. Biosensors and Bioelectronics, 2014, 52, 196-201.	10.1	46
215	Flower-like ZnO nanostructure based electrochemical DNA biosensor for bacterial meningitis detection. Biosensors and Bioelectronics, 2014, 59, 200-207.	10.1	131
216	Metal clusters activated SnO ₂ thin film for low level detection of NH ₃ gas. Sensors and Actuators B: Chemical, 2014, 194, 410-418.	7.8	103

#	ARTICLE	IF	CITATIONS
217	Inducing electrocatalytic functionality in ZnO thin film by N doping to realize a third generation uric acid biosensor. <i>Biosensors and Bioelectronics</i> , 2014, 55, 57-65.	10.1	26
218	Optical properties of WO ₃ thin films using surface plasmon resonance technique. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	56
219	Optimization of excess Bi doping to enhance ferroic orders of spin casted BiFeO ₃ thin film. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	55
220	Reagentless uric acid biosensor based on Ni microdiscs-loaded NiO thin film matrix. <i>Analyst, The</i> , 2014, 139, 4606-4612.	3.5	15
221	Ferroelectric photovoltaic properties of Ce and Mn codoped BiFeO ₃ thin film. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	58
222	Fabrication of an efficient GLAD-assisted p-NiO nanorod/n-ZnO thin film heterojunction UV photodiode. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2387.	5.5	51
223	Effect of processing parameters for electrocatalytic properties of SnO ₂ thin film matrix for uric acid biosensor. <i>Analyst, The</i> , 2014, 139, 837.	3.5	28
224	Plasmonic enhancement of optical absorption of UV radiation by Au nanoparticles dispersed on ZnO thin film. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 913-919.	2.3	5
225	Multiferroic properties of BiFeO ₃ /BaTiO ₃ multilayered thin films. <i>Physica B: Condensed Matter</i> , 2014, 448, 125-127.	2.7	34
226	Efficient detection of total cholesterol using (ChEtâ€“ChOx/ZnO/Pt/Si) bioelectrode based on ZnO matrix. <i>Thin Solid Films</i> , 2014, 562, 612-620.	1.8	8
227	Ce-doped bismuth ferrite thin films with improved electrical and functional properties. <i>Journal of Materials Science</i> , 2014, 49, 5355-5364.	3.7	45
228	Study on Mn-induced Jahnâ€“Teller distortion in BiFeO ₃ thin films. <i>Journal of Materials Science</i> , 2014, 49, 5997-6006.	3.7	15
229	Room Temperature Efficient Detection of NH ₃ Using Surface Plasmon Resonance (SPR) Technique. <i>Advanced Science Letters</i> , 2014, 20, 966-970.	0.2	1
230	A Mediator-Less Urea Biosensor Based on Ni Doped ZnO Thin Film. <i>Advanced Science Letters</i> , 2014, 20, 1005-1011.	0.2	1
231	Analysis of the $I-V$ Characteristics of the In_p-NiO/Pt/Si Schottky Diode. <i>Advanced Science Letters</i> , 2014, 20, 1077-1080.	0.2	1
232	BFMO/BCFO Multilayered Thin Film for Photovoltaic Application. <i>Advanced Science Letters</i> , 2014, 20, 971-976.	0.2	2
233	Low Temperature Operated NO ₂ Gas Sensor Based on SnO ₂ â€“ZnO Nanocomposite Thin Film. <i>Advanced Science Letters</i> , 2014, 20, 911-916.	0.2	23
234	Ferroelectric and Magnetoelectric Characteristics of the PZT Thin Films Deposited On Nickel. <i>Advanced Science Letters</i> , 2014, 20, 1116-1119.	0.2	5

#	ARTICLE	IF	CITATIONS
235	Pd Loaded SnO ₂ Thin Film Based CH ₄ Gas Sensor. Advanced Science Letters, 2014, 20, 1056-1060.	0.2	1
236	Nano-Crystalline SnO ₂ Thin Film Based Surface Acoustic Wave Sensor for Selective and Fast Detection of NO ₂ Gas. Advanced Science Letters, 2014, 20, 1124-1128.	0.2	5
237	Reliability and Reproducibility Study on Hand-Held Liquefied Petroleum Gas Sensors Based on Sputtered SnO ₂ Thin Film and Micro-Heater Using Pt Catalyst. Advanced Science Letters, 2014, 20, 953-958.	0.2	1
238	ZnO Nanostructured Thin Film as an Efficient Matrix for Total Cholesterol Detection. Advanced Science Letters, 2014, 20, 1044-1049.	0.2	2
239	Properties of Barium Titanate Thin Films Grown by Sol-Gel-Hydrothermal Process. Advanced Science Letters, 2014, 20, 1143-1146.	0.2	2
240	Structural, Optical, and Electrical Properties of Thin Films of Bismuth Tri-iodide. Advanced Science Letters, 2014, 20, 1442-1445.	0.2	2
241	Probing Temperature Dependent Dielectric and Optical Properties of WO ₃ Thin Films by Surface Plasmon Resonance Technique. Advanced Science Letters, 2014, 20, 1522-1525.	0.2	1
242	Hydrothermally Synthesized Flower-Like Zinc Oxide Nanostructured Matrix for Amperometric Biosensors with Enhanced Response. Advanced Science Letters, 2014, 20, 1337-1346.	0.2	1
243	Photovoltaic Properties of BiFeO ₃ /BaTiO ₃ Bilayered Thin Film. Advanced Science Letters, 2014, 20, 1316-1320.	0.2	4
244	Nanocatalyst (Pt, Ag and CuO) Doped SnO ₂ Thin Film Based Sensors for Low Temperature Detection of NO ₂ Gas. Advanced Science Letters, 2014, 20, 1374-1377.	0.2	18
245	Influence of Doping of Different Metals on the Photoconducting Properties of ZnO Thin Films. Advanced Science Letters, 2014, 20, 994-1000.	0.2	0
246	Specific Detection of Breast Cancer by Means of Electrochemical Biosensor. Advanced Science Letters, 2014, 20, 1072-1076.	0.2	0
247	Role of Au Incorporated on the Surface of ZnO Thin Film in Enhancing the UV Photoresponse. Advanced Science Letters, 2014, 20, 1437-1441.	0.2	0
248	Sol-gel derived Ag-doped ZnO thin film for UV photodetector with enhanced response. Journal of Materials Science, 2013, 48, 7994-8002.	3.7	33
249	Enhanced response characteristics of SnO ₂ thin film based NO ₂ gas sensor integrated with nanoscaled metal oxide clusters. Sensors and Actuators B: Chemical, 2013, 181, 735-742.	7.8	92
250	Zinc oxide-multiwalled carbon nanotubes hybrid nanocomposite based urea biosensor. Journal of Materials Chemistry B, 2013, 1, 6392.	5.8	71
251	A low temperature operated NO ₂ gas sensor based on TeO ₂ /SnO ₂ p-n heterointerface. Sensors and Actuators B: Chemical, 2013, 176, 875-883.	7.8	56
252	WO ₃ nanoclusters-SnO ₂ film gas sensor heterostructure with enhanced response for NO ₂ . Sensors and Actuators B: Chemical, 2013, 176, 675-684.	7.8	73

#	ARTICLE	IF	CITATIONS
253	Study of A-site and B-site Doping on Multiferroic Properties of BFO Thin Films. <i>Ferroelectrics</i> , 2013, 454, 41-46.	0.6	22
254	Efficient detection of cholesterol using ZnO thin film based matrix. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 280-287.	2.4	9
255	Raman spectroscopy of nanocrystalline Mn-doped BiFeO ₃ thin films. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 261-266.	2.4	37
256	Effect of metal oxide sensing layers on the distinct detection of ammonia using surface acoustic wave (SAW) sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 563-573.	7.8	34
257	Nitrogen-doped zinc oxide thin films biosensor for determination of uric acid. <i>Analyst</i> , 2013, 138, 4353.	3.5	79
258	NiO nanoparticle-based urea biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 41, 110-115.	10.1	149
259	Room Temperature Ferromagnetism in PLD Grown Zn _{1-x} Li _x O _{1-y} N _y Thin Films. <i>Integrated Ferroelectrics</i> , 2013, 148, 96-101.	0.7	2
260	P-N Junction of NiO Thin Film for Photonic Devices. <i>IEEE Electron Device Letters</i> , 2013, 34, 81-83.	3.9	35
261	Realization of Surface Acoustic Wave (SAW) and Semiconductor Gas Sensors for Room Temperature Detection of NO ₂ Gas. <i>Integrated Ferroelectrics</i> , 2013, 148, 90-95.	0.7	3
262	N-doped ZnO thin film for development of magnetic field sensor based on surface plasmon resonance. <i>Optics Letters</i> , 2013, 38, 3542.	3.3	21
263	Plasmonic Enhancement of Optical Absorption of UV Radiation in ZnO Thin Film Based Ultraviolet Photodetectors. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1509, 1.	0.1	2
264	An efficient uric acid biosensor based on tin oxide thin film matrix. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1530, .	0.1	0
265	Effect of Dispersal of Pd Nanocatalysts on H ₂ Sensing Response of SnO ₂ Thin Film Based Gas Sensor. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1494, 327-332.	0.1	1
266	Copper Doped ZnO Thin Film for Ultraviolet Photodetector with Enhanced Photosensitivity. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1494, 43-49.	0.1	2
267	An efficient urea biosensor based on laser ablated ZnO thin film. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1530, 1.	0.1	0
268	Thickness Dependent Optical Properties of WO ₃ Thin Film using Surface Plasmon Resonance. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1494, 233-238.	0.1	0
269	Postdeposition annealing of NiO _x thin films: A transition from n-type to p-type conductivity for short wave length optoelectronic devices. <i>Journal of Materials Research</i> , 2013, 28, 723-732.	2.6	23
270	Laser ablated ZnO thin film for amperometric detection of urea. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	23

#	ARTICLE	IF	CITATIONS
271	Influence of post-deposition annealing on structural, optical and electrical characteristics of NiO/ZnO thin film hetero-junction. Materials Research Society Symposia Proceedings, 2012, 1394, 68.	0.1	0
272	Fe doped ZnO thin film for mediator-less biosensing application. Journal of Applied Physics, 2012, 111, .	2.5	5
273	Piezoresponse force microscopy and vibrating sample magnetometer study of single phased Mn induced multiferroic BiFeO ₃ thin film. Journal of Applied Physics, 2012, 111, .	2.5	27
274	Reagentless detection of uric acid based on Iron doped Zinc Oxide matrix. , 2012, , .		1
275	Al:ZnO thin film: An efficient matrix for cholesterol detection. Journal of Applied Physics, 2012, 112, 114701.	2.5	12
276	Realization of an efficient cholesterol biosensor using ZnO nanostructured thin film. Analyst, The, 2012, 137, 5854.	3.5	39
277	Influence of hole mobility on the response characteristics of p-type nickel oxide thin film based glucose biosensor. Analytica Chimica Acta, 2012, 726, 93-101.	5.4	48
278	Deposition of stress free c-axis oriented LiNbO ₃ thin film grown on (002) ZnO coated Si substrate. Journal of Applied Physics, 2012, 111, 102803.	2.5	16
279	CuO thin film based uric acid biosensor with enhanced response characteristics. Biosensors and Bioelectronics, 2012, 38, 11-18.	10.1	85
280	Surface Plasmon Resonance based optical temperature sensor using ZnO:N thin film. Materials Research Society Symposia Proceedings, 2012, 1399, 1.	0.1	0
281	Room temperature trace level detection of NO ₂ gas using SnO ₂ modified carbon nanotubes based sensor. Journal of Materials Chemistry, 2012, 22, 23608.	6.7	106
282	Structural and magnetic properties of N doped ZnO thin films. Journal of Applied Physics, 2012, 111, .	2.5	34
283	Low temperature operating SnO ₂ thin film sensor loaded with WO ₃ micro-discs with enhanced response for NO ₂ gas. Sensors and Actuators B: Chemical, 2012, 161, 1114-1118.	7.8	54
284	Optical properties of the c-axis oriented LiNbO ₃ thin film. Thin Solid Films, 2012, 520, 2142-2146.	1.8	16
285	Highly sensitive and selective uric acid biosensor based on RF sputtered NiO thin film. Biosensors and Bioelectronics, 2011, 30, 333-336.	10.1	93
286	SnO ₂ thin film sensor with enhanced response for NO ₂ gas at lower temperatures. Sensors and Actuators B: Chemical, 2011, 156, 743-752.	7.8	148
287	Room temperature detection of trace level NO ₂ gas using SnO ₂ nanoclusters. , 2011, , .		0
288	Temperature Dependent Optical Properties of c axis Oriented LiNbO ₃ Thin Film Using Surface Plasmon Resonance. Journal of Lightwave Technology, 2010, 28, 3004-3011.	4.6	8

#	ARTICLE	IF	CITATIONS
289	Purely hopping conduction in c-axis oriented LiNbO ₃ thin films. Journal of Applied Physics, 2009, 105, .	2.5	30
290	Improved Temperature Stability of LiNbO ₃ Surface Acoustic Wave Devices with Sputtered SiO ₂ Over-Layers. Ferroelectrics, 2005, 329, 57-60.	0.6	4
291	Optical Waveguiding Properties of RF Diode Sputtered LiNbO ₃ Thin Films. Ferroelectrics, 2005, 329, 61-64.	0.6	1
292	Temperature stable LiNbO ₃ surface acoustic wave device with diode sputtered amorphous TeO ₂ over-layer. Applied Physics Letters, 2005, 86, 223508.	3.3	21
293	The AC Conductivity and Dielectric Constant of (006) Textured LiNbO ₃ Films. Ferroelectrics, Letters Section, 2005, 32, 125-130.	1.0	3
294	Growth and characterization of c-axis oriented LiNbO ₃ film on a transparent conducting Al:ZnO inter-layer on Si. Journal of Materials Research, 2004, 19, 2235-2239.	2.6	30
295	Optical waveguiding and birefringence properties of sputtered zinc oxide (ZnO) thin films on glass. Optical Materials, 2004, 27, 241-248.	3.6	18
296	Temperature coefficient of elastic constants of SiO ₂ over-layer on LiNbO ₃ for a temperature stable SAW device. Journal Physics D: Applied Physics, 2003, 36, 1773-1777.	2.8	25
297	Temperature stability ofc-axis oriented LiNbO ₃ /SiO ₂ /Si thin film layered structures. Journal Physics D: Applied Physics, 2001, 34, 2267-2273.	2.8	45
298	ZnO Surface Acoustic Wave Sensor for the Enhanced Detection of DMMP. Solid State Phenomena, 0, 185, 69-72.	0.3	6
299	Bipolar Resistive Switching in Magnetostrictive Ni/PZT/Pt Structure for Non-Volatile Memory Applications. ECS Journal of Solid State Science and Technology, 0, , .	1.8	2
300	Optical Confinement Study of Laser MBE Grown InGaN/GaN Quantum Well Structure using Surface Plasmon Resonance Technique. Plasmonics, 0, , 1.	3.4	1
301	Low-Cost and Disposable Electrochemical Paper-Based Analytical Device (PAD) for <i>Escherichia coli</i> O157:H7. Analytical Letters, 0, , 1-11.	1.8	0