Abd Majid wan haliza

List of Publications by Year
in descending order

131 papers	4,862 citations	279798 23 h-index	98798 67 g-index
133 all docs	133 docs citations	133 times ranked	6245 citing authors

#	Article	IF	Citations
1	X-ray analysis of ZnO nanoparticles by Williamsonâ€“Hall and sizeâ€“strain plot methods. Solid State Sciences, 2011, 13, 251-256.	3.2	1,869
2	Effects of annealing temperature on some structural and optical properties of ZnO nanoparticles prepared by a modified solâ€“gel combustion method. Ceramics International, 2011, 37, 393-398.	4.8	401
3	Synthesis and characterization of a narrow size distribution of zinc oxide nanoparticles. International Journal of Nanomedicine, 2011, 6, 1399.	6.7	305
4	Sonochemical synthesis of hierarchical ZnO nanostructures. Ultrasonics Sonochemistry, 2013, 20, 395-400.	8.2	182
5	Synthesis and characterization of ZnO nanoparticles prepared in gelatin media. Materials Letters, 2011, 65, 70-73.	2.6	172
6	Starch-stabilized synthesis of ZnO nanopowders at low temperature and optical properties study. Advanced Powder Technology, 2013, 24, 618-624.	4.1	149
7	Synthesis, magnetic properties and X-ray analysis of Zn0.97X0.03O nanoparticles (XÂ=ÂMn, Ni, and Co) using Scherrer and sizeâ€“strain plot methods. Solid State Sciences, 2012, 14, 488-494.	3.2	128
8	Experimental and theoretical dielectric studies of PVDF/PZT nanocomposite thin films. Ceramics International, 2011, 37, 1653-1660.	4.8	123
9	Facile synthesis and X-ray peak broadening studies of Zn1â^'xMgxO nanoparticles. Ceramics International, 2012, 38, 2059-2064.	4.8	100
10	Hot Plate Annealing at a Low Temperature of a Thin Ferroelectric P(VDF-TrFE) Film with an Improved Crystalline Structure for Sensors and Actuators. Sensors, 2014, 14, 19115-19127.	3.8	94
11	Dielectric and Structural Properties of Poly(vinylidene fluoride) (PVDF) and Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Nanomaterials, 2019, 2019, 1-12.	2.7	82
12	Solvothermal synthesis of microsphere ZnO nanostructures in DEA media. Ceramics International, 2011, 37, 3657-3663.	4.8	80
13	Synthesis and characterization of polyurethane coatings derived from polyols synthesized with glycerol, phthalic anhydride and oleic acid. Progress in Organic Coatings, 2009, 66, 367-371.	3.9	68
14	Theoretical and experimental approach on dielectric properties of ZnO nanoparticles and polyurethane/ZnO nanocomposites. Journal of Applied Physics, 2012, 112, .	2.5	53
15	Pyroelectricity enhancement of PVDF nanocomposite thin films doped with ZnO nanoparticles. Smart Materials and Structures, 2014, 23, 125006.	3.5	49
16	Characterization and X-ray peak broadening analysis in PZT nanoparticles prepared by modified solâ€“gel method. Ceramics International, 2010, 36, 1905-1910.	4.8	46
17	Effect of solvent on structure and optical properties of PZT nanoparticles prepared by solâ€“gel method, in infrared region. Ceramics International, 2011, 37, 753-758.	4.8	40
18	Effect of TiO₂on enhanced pyroelectric activity of PVDF composite. Smart Materials and Structures, 2014, 23, 045026.	3.5	38

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19	Enhancing the performance of vanadyl phthalocyanine-based humidity sensor by varying the thickness. Sensors and Actuators B: Chemical, 2019, 279, 148-156.	7.8	35
20	The structural and electrical properties of SrxBa(1â^'x)Nb2O6 (SBN) ceramic with varied composition. Ceramics International, 2015, 41, 7119-7124.	4.8	34
21	Piezoelectric and pyroelectric properties of BNT-base ternary lead-free ceramicâ€“polymer nanocomposites under different poling conditions. RSC Advances, 2016, 6, 81296-81309.	3.6	31
22	Ferroelectric and pyroelectric properties of novel lead-free polyvinylidenefluoride-trifluoroethyleneâ€“Bi0.5Na0.5TiO3 nanocomposite thin films for sensing applications. Ceramics International, 2015, 41, 13836-13843.	4.8	29
23	Pyroelectric, ferroelectric, piezoelectric and dielectric properties of Na0.5Bi0.5TiO3 ceramic prepared by sol-gel method. Ceramics International, 2016, 42, 15664-15670.	4.8	24
24	Effect of cerium addition on the microstructure, electrical and relaxor behavior of Sr0.5Ba0.5Nb2O6 ceramics. Journal of Alloys and Compounds, 2016, 666, 334-340.	5.5	22
25	High-performance (K,Na)NbO3-based binary lead-free piezoelectric ceramics modified with acceptor metal oxide. Ceramics International, 2020, 46, 21762-21770.	4.8	22
26	Ferroelectric polarization, pyroelectric activity and dielectric relaxation in Form IV poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.8	21
27	The physical and mechanical properties of polyurethanes from oleic acid polyols. Journal of Applied Polymer Science, 2009, 112, 3554-3559.	2.6	19
28	Optimization of sintering temperature for the enhancement of pyroelectric properties of lead-free 0.88(Na0.5Bi0.5)TiO3â€“0.084(K0.5Bi0.5)TiO3â€“0.036BaTiO3 piezoelectric ceramics. Journal of Alloys and Compounds, 2016, 688, 77-87.	5.5	19
29	Investigation of VTP:PC71BM organic composite as highly responsive organic photodetector. Sensors and Actuators A: Physical, 2018, 279, 361-366.	4.1	19
30	Electrical Characterization of Gold-DNA-Gold Structures in Presence of an External Magnetic Field by Means of I-V Curve Analysis. Sensors, 2012, 12, 3578-3586.	3.8	18
31	Facile synthesis and characterization of lanthanum (III) oxychloride nanoparticles using a natural polymeric matrix. Materials Chemistry and Physics, 2012, 136, 705-709.	4.0	18
32	Ferroelectric polarization and pyroelectric activity of functionalized P(VDF-TrFE) thin film lead free nanocomposites. Polymer, 2018, 141, 184-193.	3.8	18
33	Tailoring electronics structure, electrical and magnetic properties of synthesized transition metal (Ni)-doped ZnO thin film. Journal of Alloys and Compounds, 2018, 769, 640-648.	5.5	18
34	Trisâ€(8â€hydroxyquinoline) aluminium thin film as saturable absorber for passively Qâ€switched erbiumâ€doped fibre laser. IET Optoelectronics, 2019, 13, 247-253.	3.3	18
35	Phase sensitive molecular dynamics of self-assembly glycolipid thin films: A dielectric spectroscopy investigation. Journal of Chemical Physics, 2014, 141, 085101.	3.0	17
36	Poly(3-hexylthiophene-2,5-diyl) regioregular (P3HT) thin film as saturable absorber for passively Q-switched and mode-locked Erbium-doped fiber laser. Optical Fiber Technology, 2020, 54, 102073.	2.7	17

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37	Molecular engineering of pyroelectric polysiloxane Langmuir-Blodgett superlattices: synthesis, film preparation and pyroelectric properties. Supramolecular Science, 1994, 1, 39-53.	0.7	16
38	Langmuir-blodgett films of stilbazole complexes of iridium(I) and rhodium(I). Advanced Materials for Optics and Electronics, 1994, 4, 243-251.	0.4	15
39	The SEM & AFM Images of MEH-PPV Films below CLA Region. Procedia Engineering, 2013, 53, 354-361.	1.2	15
40	Qualitative evaluation of pyroelectric mechanisms in Langmuirâ€“Blodgett films containing a cyclic polysiloxane substituted with aliphatic side chains using Fourier transform infrared (FTIR) spectroscopy. Thin Solid Films, 2000, 376, 225-231.	1.8	14
41	Study and fabrication of europium picrate triethylene glycol complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 52-58.	3.9	14
42	Effect of Annealing Temperature on the Crystallinity, Morphology and Ferroelectric of Polyvinylidenefluoride-Trifluoroethylene (PVDF-TrFE) Thin Film. Advanced Materials Research, 2013, 812, 60-65.	0.3	14
43	Degradation of Single Layer MEH-PPV Organic Light Emitting Diode (OLED). , 2006, , .		12
44	Enhancing pyroelectric and ferroelectric properties of PVDF composite thin films by dispersing a non-ferroelectric inclusion La2O3 for application in sensors. Organic Electronics, 2015, 26, 121-128.	2.6	12
45	Dielectric, pyroelectric, and ferroelectric properties of gadolinium doped Sr0.53Ba0.47Nb2O6 ceramic. Ceramics International, 2017, 43, 9783-9789.	4.8	12
46	Observation of saturation transfer characteristics in solution processed vertical organic field-effect transistors (VOFETs) with high leakage current. Current Applied Physics, 2018, 18, 1415-1421.	2.4	12
47	Molecular dynamics of anhydrous glycolipid self-assembly in lamellar and hexagonal phases. Physical Chemistry Chemical Physics, 2016, 18, 15182-15190.	2.8	11
48	Samarium(III) picrate tetraethylene glycol complex: Photoluminescence study and active material in monolayer electroluminescent. Journal of Luminescence, 2011, 131, 1959-1965.	3.1	10
49	VTP as an Active Layer in a Vertical Organic Field Effect Transistor. Journal of Electronic Materials, 2018, 47, 2184-2191.	2.2	10
50	Enhanced Photoreduction Activity in BiOI_{1â€x}F_x Nanosheet for Efficient Removal of Pollutants from Aqueous Solution. ChemistrySelect, 2020, 5, 9758-9764.	1.5	10
51	The optimization of n-type and p-type m-plane GaN grown on m-plane sapphire substrate by metal organic chemical vapor deposition. Materials Science in Semiconductor Processing, 2021, 131, 105836.	4.0	10
52	Cyclic polysiloxanes in polar LB assemblies: synthesis, evaluation and pyroelectric behaviour. Thin Solid Films, 1994, 243, 378-383.	1.8	9
53	Molecular organization of phospholipid monolayers on the water surface by Maxwell displacement current measurement. Applied Surface Science, 2006, 252, 2875-2881.	6.1	9
54	Electroluminescence and negative differential resistance studies of TPD:PBD:Alq3 blend organic-light-emitting diodes. Bulletin of Materials Science, 2015, 38, 235-239.	1.7	9

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55	Determination of energy band diagram and charge carrier mobility of white emitting polymer from optical, electrical and impedance spectroscopy. Journal of Luminescence, 2015, 159, 134-138.	3.1	9
56	Controlled growth of silver nanoparticles on indium tin oxide substrates by plasma-assisted hot-filament evaporation: Physical properties, composition, and electronic structure. Thin Solid Films, 2020, 693, 137686.	1.8	9
57	Preparation and characterization of electrode from annealed nano-diamond particles with boric acid for anodic oxidation process. Electrochimica Acta, 2020, 362, 137221.	5.2	9
58	High pyroelectric sensitivity in alternate layer Langmuir-Blodgett superlattices. Materials Science and Engineering C, 1995, 3, 197-203.	7.3	8
59	Structural, optical and electrical properties of europium picrate tetraethylene glycol complex as emissive material for OLED. Journal of Luminescence, 2012, 132, 91-99.	3.1	8
60	Substrate free synthesis of wide area stannic oxide nano-structured sheets via a solâ€“gel method using gelatin. Materials Letters, 2013, 109, 309-312.	2.6	8
61	Ferroelectric, pyroelectric and piezoelectric properties of CeO2-doped Na0.5Bi0.5TiO3 ceramics. SN Applied Sciences, 2019, 1, 1.	2.9	8
62	Temperature-dependent polarization in LB films of a stilbazole complex of iridium(I)â€. International Journal of Electronics, 1994, 77, 951-956.	1.4	7
63	Fractal morphological analysis of Bacteriorhodopsin (bR) layers deposited onto Indium Tin Oxide (ITO) electrodes. Materials Science and Engineering C, 2009, 29, 1621-1626.	7.3	7
64	DNA Strand Patterns on Aluminium Thin Films. Sensors, 2011, 11, 6719-6727.	3.8	7
65	Effect of various annealing temperature on the morphological and dielectric properties of Polyvinylidenefluoride-Trifluoroethylene thin film. , 2012, , .		7
66	Junction properties and conduction mechanism of new terbium complexes with triethylene glycol ligand for potential application in organic electronic device. Journal of Rare Earths, 2014, 32, 633-640.	4.8	7
67	Plasma-treated Langmuirâ€“Blodgett reduced graphene oxide thin film for applications in biophotovoltaics. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	7
68	Agglomeration enhancement of AlN surface diffusion fluxes on a (0 0 0 1)-sapphire substrate grown by pulsed atomic-layer epitaxy techniques via MOCVD. CrystEngComm, 2020, 22, 3309-3321.	2.6	7
69	Nanosecond pulse generation with a gallium nitride saturable absorber. OSA Continuum, 2019, 2, 134.	1.8	7
70	Langmuir-Blodgett films of linear polysiloxanes incorporating aromatic side-chains: structure-property relationships. Thin Solid Films, 1994, 242, 61-66.	1.8	6
71	Pyroelectric detection in glycolipid thin film. Thin Solid Films, 2010, 518, 4412-4416.	1.8	6
72	Determination of Traps' Density of State in OLEDs from Currentâ€“Voltage Analysis. Chinese Physics Letters, 2016, 33, 018101.	3.3	6

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73	Solution-Processable Vertical Organic Light-Emitting Transistors (VOLETs) with Directly Deposited Silver Nanowires Intermediate Source Electrode. Journal of Nanoscience and Nanotechnology, 2019, 19, 6995-7003.	0.9	6
74	Prospect of silver nanowire (AgNW) in development of simple and cost-effective vertical organic light-emitting transistors. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	6
75	Efficiency enhancement in blue phosphorescent organic light emitting diode with silver nanoparticles prepared by plasma-assisted hot-filament evaporation as an external light-extraction layer. Materials Chemistry and Physics, 2020, 256, 123618.	4.0	6
76	Pyroelectric activity of aromatic-substituted copolysiloxane/ eicosylamine alternate-layer Langmuir-Blodgett films. International Journal of Electronics, 1994, 76, 745-750.	1.4	5
77	Pyroelectric behavior and dielectric properties of linear copolysiloxane/eicosylamine superlattice. European Physical Journal B, 2005, 45, 33-37.	1.5	5
78	Pyroelectricity in Synthetic Amphitropic Glycolipid for Potential Application of IR Sensor Device. Ferroelectrics, 2013, 445, 67-73.	0.6	5
79	Effect of oleic acid content and chemical crosslinking on the properties of palm oilâ€based polyurethane coatings. Journal of Applied Polymer Science, 2013, 129, 415-421.	2.6	5
80	Ligand-Stabilized ZnO Quantum Dots: Molecular Dynamics and Experimental Study. Australian Journal of Chemistry, 2017, 70, 1110.	0.9	5
81	MEH-PPV organic material as saturable absorber for Q-switching and mode-locking applications. Journal of Modern Optics, 2020, 67, 746-753.	1.3	5
82	Improved performance of InGaN/GaN LED by optimizing the properties of the bulk and interface of ITO on p-GaN. Applied Surface Science, 2021, 540, 148406.	6.1	5
83	The effect of Multi Quantum Well growth regime transition on MQW/p-GaN structure and light emitting diode (LED) performance. Materials Science in Semiconductor Processing, 2021, 121, 105431.	4.0	5
84	Diminishing the Induced Strain and Oxygen Incorporation on Aluminium Nitride Films Deposited Using Pulsed Atomic-Layer Epitaxy Techniques at Standard Pressure MOCVD. Journal of Electronic Materials, 2021, 50, 2313-2322.	2.2	5
85	Electrical and structural comparison of (100) and (002) oriented AlN thin films deposited by RF magnetron sputtering. Journal of Materials Science: Materials in Electronics, 2022, 33, 12271-12280.	2.2	5
86	Pyroelectric Properties of Polyvinylidene Fluoride (PVDF) by Quasi Static Method. , 2006, , .		4
87	Structural and Optical Properties of Nickel-Doped and Undoped Zinc Oxide Thin Films Deposited by Sol-Gel Method. Advanced Materials Research, 0, 895, 250-253.	0.3	4
88	Thermally Stimulated Current Study and Relaxation Behaviour of Annealed Copolymer P(VDF-TrFE) Films for Potential Pyroelectric Energy Harvesting. Journal of Electronic Materials, 2020, 49, 5585-5599.	2.2	4
89	Tailoring the morphology of BiNbO4 of polymorph in 2D nanosheets for enhancement of photocatalytic activity in the visible range. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 136, 115009.	2.7	4
90	Optimisation of the pyroelectric figure of merit of porysiloxane/amine superlattices. Thin Solid Films, 1996, 284-285, 915-918.	1.8	3

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91	Fabrication and photoresponse of novel carboxymethylcellulose (CMC) based bacteriorhodopsin (bR) sensor. Organic Electronics, 2006, 7, 300-304.	2.6	3
92	The Effect of Gases on Pyroelectric Properties of PVDF/TiO₂ Treated by Plasma Etcher. Transactions of the Materials Research Society of Japan, 2009, 34, 67-71.	0.2	3
93	Fabrication and Characterization of Solution Processed Top-Gate-Type Organic Light-Emitting Transistor. Nanoscience and Nanotechnology Letters, 2014, 6, 1035-1039.	0.4	3
94	Tunable optoelectronic properties of solâ€“gel derived ZnO nanostructure thin film by annealing treatment. Materials Express, 2014, 4, 422-428.	0.5	3
95	Impact of sandwiched strain periodic multilayer AlN/GaN on strain and crystalline quality of a-plane GaN. Scientific Reports, 2021, 11, 9724.	3.3	3
96	Mechanical and Thermodynamic Properties of Langmuir Films of Fatty Acids. Advanced Science Letters, 2013, 19, 179-182.	0.2	3
97	Electronic Device Characteristics and Charge Conduction Mechanisms of Single-Layer Organic Light Emitting Devices Based on Alq₃, TPD:Alq₃ and TPD:PBD:Alq₃ Blend System. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 437-445.	0.5	3
98	Electrical behavior of polyurethane derived from polyols synthesized with glycerol, phthalic anhydride, and oleic acid. Journal of Applied Polymer Science, 2011, 121, 1796-1803.	2.6	2
99	Current-Voltage Characterization on Au-DNA-Au Junctions under the Influence of Magnetic Field. Advanced Materials Research, 2012, 535-537, 1350-1353.	0.3	2
100	Optimization of Annealing Temperature for PVDF-TrFE (70:30 mol %) Thin Film. Advanced Materials Research, 0, 626, 721-726.	0.3	2
101	Different Surface Morphology of Annealed PVDF-TrFE Thin Films and the Effect on its Ferroelectric Properties. Advanced Materials Research, 2013, 832, 724-727.	0.3	2
102	Fabrication and Characterization of Organic Light-Emitting Diodes Containing Small Molecules Blends as Emissive Layer. Advanced Materials Research, 2013, 795, 106-109.	0.3	2
103	Structural and Electrical Properties of Solâ€“Gel-Derived Lead Titanate Nanofilms with Different Pb Contents for MIM Capacitors. Jom, 2015, 67, 2869-2876.	1.9	2
104	Miscibility and Crystallinity Study of Poly(vinylidene Fluoride) / Poly(L-Lactic Acid) Polymer Blend. Materials Today: Proceedings, 2018, 5, S130-S136.	1.8	2
105	The crystallographic quality and band-edge transition of as-deposited PALE AlN films via metal organic chemical vapor deposition. Journal of Materials Science: Materials in Electronics, 2021, 32, 3211-3221.	2.2	2
106	Effect of silver nanoparticles deposited on indium tin oxide by plasma-assisted hot-filament evaporation on phosphorescent organic light-emitting diode performance. Applied Surface Science, 2021, 570, 151280.	6.1	2
107	Effect of Flux Rate Variation at Fixed V/III Ratio on Semi-Polar (112Â¯2) GaN: Crystal Quality and Surface Morphology Study. Crystals, 2022, 12, 247.	2.2	2
108	Synthesis and Characterization of Lead Calcium Titanate Nanocomposite. AIP Conference Proceedings, 2011, , .	0.4	1

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109	Annealing Effect on Small Molecules Blend Organic Light-Emitting Diodes. Advanced Materials Research, 2013, 795, 110-114.	0.3	1
110	Preparation of PVDF-TrFE layer-based bilayer composite PbTiO₃/PVDF-TrFE films for MIM capacitor. Transactions of the Institute of Metal Finishing, 2016, 94, 187-192.	1.3	1
111	Alq 3 saturable absorber for generating Qâ€switched pulses in erbiumâ€doped fiber laser. Microwave and Optical Technology Letters, 2020, 62, 1028-1032.	1.4	1
112	The Effect of Trap Density on the Trapping and De-trapping Processes in Determining the Turn-On Voltage of Double-Carrier Organic Light-Emitting Devices (OLEDs). Journal of Electronic Materials, 2021, 50, 4511-4523.	2.2	1
113	One-Pot Synthesis of Ag Decorated ZnO Microsphere in Triethanolamine Media with Enhanced Photocatalytic Activity. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 431-436.	0.5	1
114	Effect of Transition Metal Dopant on the Optoelectronics Properties of Zinc Oxide Thin Film. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 425-430.	0.5	1
115	Solar-Light-Driven Ag9(SiO4)2NO3 for Efficient Photocatalytic Bactericidal Performance. Journal of Composites Science, 2022, 6, 108.	3.0	1
116	Optical transition characteristic energies of amorphous and polycrystalline tin oxide films. , 1991, 1519, 872.		0
117	Note from the Publishers. European Physical Journal B, 2006, 52, 575-575.	1.5	0
118	Molecular Orientation of Phospholipid Langmuir-Blodgett Films. Materials Science Forum, 2006, 517, 65-68.	0.3	0
119	Fabrication and Characterization of New Hybrid Organic Light Emitting Diode (OLED): Europium-picrate-triethylene oxide Complex. , 2009, , .		0
120	Effect of Forced Mixing of Bacteriorhodopsin Suspension and Hexane in the Formation of Stable Langmuir Blodgett Films. , 2009, , .		0
121	A Study on Lanthanide Complexes as a Potential Organic Light Emitting Devices. , 2009, , .		0
122	Optical, Structural and Electrical Study of Organic Light Emitting Diode (OLED)Based on MEHâ^•PPV:C[sub 60] Composite. , 2010, , .		0
123	Dielectric Properties of PVDFâ^•PZT. , 2011, , .		0
124	Investigations on Fractal Nanostructure of Zinc Oxide by Small Angle Neutron Scattering (SANS). Advanced Materials Research, 0, 895, 531-534.	0.3	0
125	Ferroelectric Properties of Polyvinylidenefluoride-Trifluoroethylene (PVDF-TrFE) Annealed Thin Film. Advanced Materials Research, 2014, 879, 1-6.	0.3	0
126	Annealing effects on output characteristics of solution processable vertical organic light-emitting transistor (VOLET). Molecular Crystals and Liquid Crystals, 2019, 693, 30-38.	0.9	0

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127	Electronic surface, optical and electrical properties of p â€“ GaN activated via in-situ MOCVD and ex-situ thermal annealing in InGaN/GaN LED. Materials Science in Semiconductor Processing, 2020, 106, 104757.	4.0	0
128	Characterization of Amorphous GaN Thin Films after Conventional Thermal Anneal. , 2020, , .		0
129	The Effect of Bioactive Glass and Sintering Conditions on the Properties of Titanium-Hydroxyapatite Composites. Sains Malaysiana, 2021, 50, 1089-1099.	0.5	0
130	Structural and mechanical properties of a-axis AlN thin films growth using reactive RF magnetron sputtering plasma. Microelectronics International, 2021, 38, 99-104.	0.6	0
131	High temperature superconductivity and electronâ€“phonon coupling. Superconductor Science and Technology, 2005, 18, 912-915.	3.5	0