

Khairurrijal Khairurrijal

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6918312/khairurrijal-khairurrijal-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.

201
papers

1,623
citations

21
h-index

30
g-index

247
ext. papers

1,978
ext. citations

1.6
avg. IF

5.06
L-index

#	Paper	IF	Citations
201	Reduction of seawater salinity by natural zeolite (Clinoptilolite): Adsorption isotherms, thermodynamics and kinetics. <i>Desalination</i> , 2017 , 409, 146-156	10.3	101
200	Intermolecular Interactions and the Release Pattern of Electrospun Curcumin-Polyvinylpyrrolidone) Fiber. <i>Biological and Pharmaceutical Bulletin</i> , 2016 , 39, 163-73	2.3	68
199	Analytic model of direct tunnel current through ultrathin gate oxides. <i>Journal of Applied Physics</i> , 2000 , 87, 3000-3005	2.5	66
198	Intense green and yellow emissions from electrospun BCNO phosphor nanofibers. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12629		46
197	Performance Improvement of TiO ₂ /CuO Solar Cell by Growing Copper Particle Using Fix Current Electroplating Method. <i>Procedia Engineering</i> , 2017 , 170, 72-77		41
196	Mangosteen pericarp extract embedded in electrospun PVP nanofiber mats: physicochemical properties and release mechanism of mangostin. <i>International Journal of Nanomedicine</i> , 2018 , 13, 4927-4941	7.3	40
195	Correlation between Structures and Antioxidant Activities of Polyvinylpyrrolidone/Garcinia mangostana L. Extract Composite Nanofiber Mats Prepared Using Electrospinning. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-10	3.2	39
194	Polyvinyl Alcohol/Soursop Leaves Extract Composite Nanofibers Synthesized Using Electrospinning Technique and their Potential as Antibacterial Wound Dressing. <i>Procedia Engineering</i> , 2017 , 170, 31-35		36
193	A constant-current electrospinning system for production of high quality nanofibers. <i>Review of Scientific Instruments</i> , 2008 , 79, 093904	1.7	34
192	Electrospun nanofiber from various source of expanded polystyrene (EPS) waste and their characterization as potential air filter media. <i>Waste Management</i> , 2020 , 103, 76-86	8.6	33
191	Encapsulation of β -carotene in poly(vinylpyrrolidone) (PVP) by Electrospinning Technique. <i>Procedia Engineering</i> , 2017 , 170, 19-23		32
190	Air filtration media from electrospun waste high-impact polystyrene fiber membrane. <i>Materials Research Express</i> , 2018 , 5, 035049	1.7	30
189	Utilization of Natural Zeolite as Sorbent Material for Seawater Desalination. <i>Procedia Engineering</i> , 2017 , 170, 8-13		28
188	Batik Wastewater Treatment Using TiO ₂ Nanoparticles Coated on the Surface of Plastic Sheet. <i>Procedia Engineering</i> , 2017 , 170, 78-83		28
187	Viscosity Reduction of Heavy Oil Using Nanocatalyst in Aquathermolysis Reaction. <i>KONA Powder and Particle Journal</i> , 2016 , 33, 3-16	3.4	28
186	Controlled morphology of electrospun nanofibers from waste expanded polystyrene for aerosol filtration. <i>Nanotechnology</i> , 2019 , 30, 425602	3.4	25
185	A General Formula for Ion Concentration-Dependent Electrical Conductivities in Polymer Electrolytes. <i>American Journal of Applied Sciences</i> , 2012 , 9, 946-954	0.8	24

184	High performance electrospinning system for fabricating highly uniform polymer nanofibers. <i>Review of Scientific Instruments</i> , 2009 , 80, 026106	1.7	24
183	Unified analytic model of direct and Fowler-Nordheim tunnel currents through ultrathin gate oxides. <i>Applied Physics Letters</i> , 2000 , 77, 3580-3582	3.4	24
182	A new architecture for solar cells involving a metal bridge deposited between active TiO ₂ particles. <i>Journal of Applied Physics</i> , 2012 , 111, 123109	2.5	22
181	Prototype of a flat-panel photoreactor using TiO ₂ nanoparticles coated on transparent granules for the degradation of Methylene Blue under solar illumination. <i>Sustainable Environment Research</i> , 2017 , 27, 172-180	3.8	21
180	The synthesis of nanofiber membranes from acrylonitrile butadiene styrene (ABS) waste using electrospinning for use as air filtration media.. <i>RSC Advances</i> , 2019 , 9, 30741-30751	3.7	21
179	A simple spectrophotometer using common materials and a digital camera. <i>Physics Education</i> , 2011 , 46, 332-339	0.8	19
178	Aerosol Chamber Characterization for Commercial Particulate Matter (PM) Sensor Evaluation. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 181-194	4.6	18
177	Electrospun Polyvinylpyrrolidone (PVP) Nanofiber Mats Loaded by Garcinia mangostana L. Extracts. <i>Materials Science Forum</i> , 2016 , 880, 11-14	0.4	18
176	Electrospun polyvinylpyrrolidone (PVP)/green tea extract composite nanofiber mats and their antioxidant activities. <i>Materials Research Express</i> , 2018 , 5, 054001	1.7	18
175	Polyvinylpyrrolidone/cellulose acetate electrospun composite nanofibres loaded by glycerine and garlic extract with antibacterial activity and release behaviour test.. <i>RSC Advances</i> , 2019 , 9, 26351-26363	3.7	16
174	Measurement of gravitational acceleration using a computer microphone port. <i>Physics Education</i> , 2012 , 47, 709-714	0.8	15
173	Permeability, Strength and Filtration Performance for Uncoated and Titania-Coated Clay Wastewater Filters. <i>American Journal of Environmental Sciences</i> , 2012 , 8, 79-94	0.5	14
172	Electron and hole components of tunneling currents through an interfacial oxide-high-k gate stack in metal-oxide-semiconductor capacitors. <i>Journal of Applied Physics</i> , 2010 , 108, 093711	2.5	14
171	An ultraviolet phosphor from submicrometer-sized particles of gadolinium-doped yttrium oxide prepared by heating of precursors in a polymer solution. <i>Powder Technology</i> , 2008 , 183, 297-303	5.2	14
170	Preparation of Polyacrylonitrile Nanofibers with Controlled Morphology Using a Constant-Current Electrospinning System for Filter Applications. <i>Materials Science Forum</i> , 2013 , 737, 159-165	0.4	13
169	High compressive strength of home waste and polyvinyl acetate composites containing silica nanoparticle filler. <i>Journal of Material Cycles and Waste Management</i> , 2011 , 13, 225-231	3.4	13
168	Photoluminescence optimization of BCNO phosphors synthesized using citric acid as a carbon source. <i>Advanced Powder Technology</i> , 2014 , 25, 891-895	4.6	12
167	A New Approach for Fabricating Low Cost DSSC by Using Carbon-Ink From Inkjet Printer and Its Improvement Efficiency by Depositing Metal Bridge Between Titanium Dioxide Particles. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2014 , 136,	2.3	12

166	Corrosion of copper alloys in KOH, NaOH, NaCl, and HCl electrolyte solutions and its impact to the mechanical properties. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 2235-2243	6.1	12
165	Development of WiFi Mesh Infrastructure for Internet of Things Applications. <i>Procedia Engineering</i> , 2017 , 170, 332-337		11
164	A novel system for producing photocatalytic titanium dioxide-coated fibers for decomposing organic pollutants in water. <i>Environmental Progress and Sustainable Energy</i> , 2013 , 32, 42-51	2.5	11
163	Synthesis of Polyvinylpyrrolidone (PVP)-Green Tea Extract Composite Nanostructures using Electrohydrodynamic Spraying Technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012043	0.4	11
162	Syntheses of Hematite (Fe ₂ O ₃) Nanoparticles Using Microwave-Assisted Calcination Method. <i>Materials Science Forum</i> , 2013 , 737, 197-203	0.4	11
161	Dye-Sensitized Solar Cells (DSSC) from Black Rice and its Performance Improvement by Depositing Interconnected Copper (Copper Bridge) into the Space between TiO ₂ Nanoparticles. <i>Materials Science Forum</i> , 2013 , 737, 43-53	0.4	11
160	Comparison of electron transmittances and tunneling currents in an anisotropic TiN _x /HfO ₂ /SiO ₂ /p-Si(100) metal oxide semiconductor (MOS) capacitor calculated using exponential- and Airy-wavefunction approaches and a transfer matrix method. <i>Journal of Semiconductors</i> , 2010 , 31, 124002	2.3	11
159	Model of a tunneling current in an anisotropic Si/Si _{1-x} Ge _x /Si heterostructure with a nanometer-thick barrier including the effect of parallel/perpendicular kinetic energy coupling. <i>Semiconductor Science and Technology</i> , 2008 , 23, 125024	1.8	11
158	Development of Giant Magnetoresistance Material Based on Cobalt Ferrite. <i>Acta Physica Polonica A</i> , 2015 , 128, B-19-B-23	0.6	11
157	Rotary Forcespun Polyvinylpyrrolidone (PVP) Fibers as a Mangosteen Pericarp Extracts Carrier. <i>Procedia Engineering</i> , 2017 , 170, 14-18		10
156	Synthesis and photoluminescence of BCNO/SiO ₂ nanocomposite phosphor materials. <i>Journal of Luminescence</i> , 2014 , 148, 165-168	3.8	10
155	Synthesis of Ni _x Fe _{3-x} O ₄ Nanoparticles by Microwave-Assisted Coprecipitation and their Application in Viscosity Reduction of Heavy Oil. <i>Materials Science Forum</i> , 2013 , 737, 204-208	0.4	10
154	Enhancement Performance of Dye-Sensitized Solar Cells from Black Rice as Dye and Black Ink as Counter Electrode with Inserting Copper on the Space between TiO ₂ Particles by Using Electroplating Method. <i>Materials Science Forum</i> , 2013 , 737, 85-92	0.4	10
153	A superhydrophilic bilayer structure of a nylon 6 nanofiber/cellulose membrane and its characterization as potential water filtration media.. <i>RSC Advances</i> , 2020 , 10, 17205-17216	3.7	9
152	Simply Electrospun Gelatin/Cellulose Acetate Nanofibers and their Physico-Chemical Characteristics. <i>Materials Science Forum</i> , 2016 , 880, 95-98	0.4	9
151	Home-made PIC 16F877 microcontroller-based temperature control system for learning automatic control. <i>Computer Applications in Engineering Education</i> , 2011 , 19, 10-17	1.6	9
150	Simulation study of steels corrosion phenomenon in liquid lead-Bismuth cooled reactors using molecular dynamics methods. <i>Progress in Nuclear Energy</i> , 2008 , 50, 616-620	2.3	9
149	A simple microcontroller-based current electrometer made from LOG112 and C8051F006 for measuring current in metal oxide semiconductor devices. <i>Measurement Science and Technology</i> , 2007 , 18, 3019-3024	2	9

148	Synthesis and characterization of MAA-based molecularly-imprinted polymer (MIP) with D-glucose template. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012143	0.3	9
147	Coating TiO ₂ nanoparticles on the surface of transparent plastic granules using combined electrostatic and heating methods for the photocatalytic degradation of organic pollutants in water. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2017 , 8, 1-10	3.3	8
146	A simple solar simulator with highly stable controlled irradiance for solar panel characterization. <i>Measurement and Control</i> , 2019 , 52, 159-168	1.5	8
145	Synthesis of Styrofoam Fibers Using Rotary Forcespinning Technique. <i>Materials Science Forum</i> , 2015 , 827, 279-284	0.4	8
144	Mass Production of Stacked Styrofoam Nanofibers Using a Multinozzle and Drum Collector Electrospinning System. <i>Advanced Materials Research</i> , 2014 , 896, 20-23	0.5	8
143	Preliminary study of natural zeolite as catalyst for decreasing the viscosity of heavy oil 2013 ,		8
142	Development of a new personal air filter test system using a low-cost particulate matter (PM) sensor. <i>Aerosol Science and Technology</i> , 2020 , 54, 203-216	3.4	8
141	Synthesis of Fibers and Particles from Polyvinyl Chloride (PVC) Waste Using Electrospinning. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012014	0.4	8
140	Design and Development of a Series-configuration Mazzilli Zero Voltage Switching Flyback Converter as a High-voltage Power Supply for Needleless Electrospinning. <i>Procedia Engineering</i> , 2017 , 170, 509-515		7
139	Electrospun Polyvinylpyrrolidone as a Carrier for Leaves Extracts of <i>Anredera cordifolia</i> (Ten.) Steenis. <i>Materials Science Forum</i> , 2015 , 827, 91-94	0.4	7
138	The dynamics of a cylinder containing granules rolling down an inclined plane. <i>Powder Technology</i> , 2016 , 301, 44-57	5.2	7
137	Fe ₃ O ₄ /Zeolite nanocomposites synthesized by microwave assisted coprecipitation and its performance in reducing viscosity of heavy oil 2014 ,		7
136	Photocatalytic Activities of Electrospun TiO ₂ /Styrofoam Composite Nanofiber Membrane in Degradation of Waste Water. <i>Materials Science Forum</i> , 2015 , 827, 7-12	0.4	7
135	Microwave-Assisted Solid State Synthesis of Red-Emitting BCNO Phosphor and its Characteristics. <i>Advanced Materials Research</i> , 2014 , 896, 464-467	0.5	7
134	Quasibound States of Electric Field-Induced Quantum Wells in Silicon Subsurfaces. <i>Japanese Journal of Applied Physics</i> , 1997 , 36, L1541-L1544	1.4	7
133	Why does thermal shock produce smaller particles of zeolite?. <i>Powder Technology</i> , 2016 , 301, 911-919	5.2	7
132	Fabrication of Polyvinylpyrrolidone Fibers by Means of Rotary Forcespinning Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012044	0.4	7
131	Synthesis of High-Impact Polystyrene Fibers using Electrospinning. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012010	0.4	6

130	Novel Solar Photocatalytic Reactor for Wastewater Treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 214, 012010	0.4	6
129	A Method to Measure Pore Size Distribution of Porous Materials Using Scanning Electron Microscopy Images 2010 ,		6
128	Nanocomposite Solar Cells from Dirty TiO ₂ Nanoparticles 2010 ,		6
127	A Novel Ternary CoFe ₂ O ₄ /CuO/CoFe ₂ O ₄ as a Giant Magnetoresistance Sensor. <i>Journal of Mathematical and Fundamental Sciences</i> , 2016 , 48, 230-240	1.7	6
126	Physical-Chemical Crosslinked Electrospun Tuber Protein-Chitosan-Poly(Ethylene Oxide) Nanofibers with Antibacterial Activity and Cytocompatibility. <i>International Journal of Nanomedicine</i> , 2020 , 15, 6433-6449	7.3	6
125	A freeze-thaw PVA hydrogel loaded with guava leaf extract: physical and antibacterial properties.. <i>RSC Advances</i> , 2021 , 11, 30156-30171	3.7	6
124	An Investigation on bilayer structures of electrospun polyacrylonitrile nanofibrous membrane and cellulose membrane used as filtration media for apple juice clarification. <i>Materials Research Express</i> , 2018 , 5, 054003	1.7	6
123	Single Phase Induction Motor Speed Regulation Using a PID Controller for Rotary Forcespinning Apparatus. <i>Procedia Engineering</i> , 2017 , 170, 404-409		5
122	The Synthesis of Fiber Membranes from High-Impact Polystyrene (HIPS) Waste using Needleless Electrospinning as Air Filtration Media. <i>Materials Today: Proceedings</i> , 2019 , 13, 154-159	1.4	5
121	Static electric field mapping using a mosquito racket and baby oil. <i>Physics Education</i> , 2015 , 50, 690-693	0.8	5
120	Synthesis of Luminescent Ink from Europium-Doped Y ₂ O ₃ Dispersed in Polyvinyl Alcohol Solution. <i>Advances in OptoElectronics</i> , 2009 , 2009, 1-8	0.5	5
119	An AT89S52 microcontroller-based single board computer for teaching an instrumentation system course. <i>Computer Applications in Engineering Education</i> , 2007 , 15, 166-173	1.6	5
118	Electron direct tunneling time in heterostructures with nanometer-thick trapezoidal barriers. <i>Solid-State Electronics</i> , 2005 , 49, 923-927	1.7	5
117	Ultrathin gate dielectrics for silicon nanodevices. <i>Superlattices and Microstructures</i> , 2000 , 27, 383-393	2.8	5
116	Development of a Low-Cost TiO ₂ /CuO/Cu Solar Cell by using Combined Spraying and Electroplating Method. <i>Journal of Mathematical and Fundamental Sciences</i> , 2018 , 50, 92-101	1.7	5
115	The Design of Mini-Rotary Forcespinning System for Nanofiber Synthesis. <i>Procedia Engineering</i> , 2017 , 170, 24-30		4
114	Identification of natural zeolite from Sukabumi, West Java, Indonesia: structure, chemical composition, morphology and molecular vibration. <i>Materials Research Express</i> , 2017 , 4, 064002	1.7	4
113	Composited reduced graphene oxide into LiFePO ₄ /Li ₂ SiO ₃ and its electrochemical impedance spectroscopy properties. <i>Materials Research Express</i> , 2017 , 4, 034005	1.7	4

112	A compact model for gate tunneling currents in undoped cylindrical surrounding-gate metal-oxide-semiconductor field-effect transistors. <i>Microelectronic Engineering</i> , 2019 , 216, 111086	2.5	4
111	Fluorescent of C-dot composite thin films and its properties 2014 ,		4
110	Characterization of an atrazine molecularly imprinted polymer prepared by a cooling method 2014 ,		4
109	Model of a tunneling current in a p-n junction based on armchair graphene nanoribbons - an Airy function approach and a transfer matrix method 2014 ,		4
108	Synthesis of Fe ₂ O ₃ /C Nanocomposite Using Microwave Assisted Calcination Method. <i>Advanced Materials Research</i> , 2014 , 896, 100-103	0.5	4
107	Electrospinning of Poly(vinyl alcohol)/Chitosan via Multi-Nozzle Spinneret and Drum Collector. <i>Advanced Materials Research</i> , 2014 , 896, 41-44	0.5	4
106	Effect of Silica Nanoparticles on the Photoluminescence Properties of BCNO Phosphor 2011 ,		4
105	Development of digital water meter infrastructure using wireless sensor networks 2016 ,		4
104	Development of a simple low-scale solar simulator and its light distribution 2016 ,		4
103	Stabilization of chitosan-polyethylene oxide electrospun nanofibrous containing Colocasia esculenta tuber protein. <i>Materials Research Express</i> , 2019 , 6, 1150f4	1.7	4
102	Fabrication and Characterization of Monodisperse Polystyrene Latex (PSL) with Various Diameters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012015	0.4	4
101	Stability of granular tunnel. <i>Granular Matter</i> , 2018 , 20, 1	2.6	4
100	The effects of insulator thickness and substrate doping density on the performance of ZnO/SiO ₂ /n-Si solar cells. <i>Materials Technology</i> , 2018 , 33, 865-871	2.1	4
99	The effect of rotational speed of rotary forcespinning to the morphology of polyvinylpyrrolidone (PVP) fibers with garlic extract. <i>Materials Today: Proceedings</i> , 2021 , 44, 3403-3407	1.4	4
98	The effect of atrazine concentration on galvanic cell potential based on molecularly imprinted polymers (MIPS) and aluminium as contact electrode. <i>Journal of Physics: Conference Series</i> , 2019 , 1282, 012029	0.3	3
97	Formation of electrospayed composite nanoparticles from polyvinylpyrrolidone/mangosteen pericarp extract. <i>Advanced Powder Technology</i> , 2020 , 31, 1811-1824	4.6	3
96	Electrospayed Polyvinylpyrrolidone (PVP) Submicron Particles Loaded by Green Tea Extracts. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012036	0.4	3
95	Efficiency enhancement of TiO ₂ (active material) solar cell by inserting copper particles grown with pulse voltage electroplating method. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 100, 92-100	3.9	3

94	Effect of Heating Time on Atrazine-Based MIP Materials Synthesized via the Cooling-Heating Method. <i>Advanced Materials Research</i> , 2014 , 896, 89-94	0.5	3
93	One-Step Fabrication of Short Nanofibers by Electrospinning: Effect of Needle Size on Nanofiber Length. <i>Advanced Materials Research</i> , 2014 , 896, 33-36	0.5	3
92	Effect of Growth Temperature on Cobalt-Doped TiO ₂ Thin Films Deposited on Si (100) Substrate by MOCVD Technique. <i>Advanced Materials Research</i> , 2014 , 896, 192-196	0.5	3
91	Performance Improvement of TiO ₂ Based Solar Cells by Coating Cu Nanoparticles into the Space between TiO ₂ 2011 ,		3
90	Giant magnetoresistance material and its potential for biosensor applications 2009 ,		3
89	The dependence of the spring constant in the linear range on spring parameters. <i>Physics Education</i> , 2011 , 46, 540-543	0.8	3
88	Structure and Morphology of Neodymium-doped Cerium Oxide Solid Solution Prepared by a Combined Simple Polymer Heating and D.C.-Magnetron Sputtering Method. <i>AIP Conference Proceedings</i> , 2008 ,	0	3
87	Atomic Simulations of Aurivillius Oxides: Bi ₃ TiNbO ₉ , Bi ₄ Ti ₃ O ₁₂ , BaBi ₄ Ti ₄ O ₁₅ and Ba ₂ Bi ₄ Ti ₅ O ₁₈ Doped with Pb, Al, Ga, In, Ta. <i>Journal of the Chinese Chemical Society</i> , 2008 , 55, 115-120	1.5	3
86	Analytical Modeling of Metal Oxide Semiconductor Inversion-Layer Capacitance. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, L30-L32	1.4	3
85	Fabrication of Electrospun Nanofiber from Waste Expanded Polystyrene for Aerosol Filtration Application. <i>Advanced Science Letters</i> , 2017 , 23, 5729-5732	0.1	3
84	Biosensor Based on Giant Magnetoresistance Material. <i>International Journal of E-Health and Medical Communications</i> , 2010 , 1, 1-15	1.4	3
83	A Fire-Retardant Composite Made from Domestic Waste and PVA. <i>Advances in Materials Science and Engineering</i> , 2016 , 2016, 1-10	1.5	3
82	Compact Modeling of Quantum Effects in Undoped Long-Channel Cylindrical Surrounding-Gate MOSFETs. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012025	0.3	3
81	Study of soil moisture sensor for landslide early warning system: Experiment in laboratory scale. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012034	0.3	3
80	Characterization of a water level measurement system developed using a commercial submersible pressure transducer 2016 ,		3
79	Synthesis of fiber membranes from polyvinyl alcohol (PVA)/shell extract of melinjo (SEM) using electrospinning method. <i>Materials Today: Proceedings</i> , 2021 , 44, 3400-3402	1.4	3
78	Applying Pulse Height Analysis (PHA) Technique on an Optical Particle Counter (OPC) using Commercial ADC Module. <i>Materials Today: Proceedings</i> , 2019 , 13, 252-257	1.4	2
77	Synthesis and Characterization of Rotary Forcespun Polyvinylpyrrolidone Fibers Loaded by Garlic (<i>Allium sativum</i>) Extract. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012005	0.4	2

76	Enhanced Sensitivity of Microring Resonator-Based Sensors Using the Finite Difference Time Domain Method to Detect Glucose Levels for Diabetes Monitoring. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4191	2.6	2
75	Realizing a Deflection-type D.C. Bridge-based Thermometer under Project-based Learning Approach. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012130	0.3	2
74	Synthesis of polyvinylpyrrolidone/mangosteen pericarp extract (MPE) fibered particles using electrospray. <i>Journal of Physics: Conference Series</i> , 2019 , 1282, 012033	0.3	2
73	A Theoretical Model of Band-to-Band Tunneling Current in an Armchair Graphene Nanoribbon Tunnel Field-Effect Transistor. <i>Advanced Materials Research</i> , 2014 , 896, 371-374	0.5	2
72	Development of a Simple Single-Axis Motion Table System for Testing Tilt Sensors. <i>Procedia Engineering</i> , 2017 , 170, 378-383		2
71	Design and implementation of wireless sensor network on Ground movement Detection System 2015 ,		2
70	Verification of theoretical model for collector current in SiGe-based heterojunction bipolar transistors. <i>Electronics Letters</i> , 2013 , 49, 1347-1348	1.1	2
69	A Theoretical Study on the Performance of SnO ₂ /SiO ₂ /n-Si Solar Cells. <i>Materials Science Forum</i> , 2013 , 737, 1-8	0.4	2
68	PVA-Ketoprofen Nanofibers Manufacturing Using Electrospinning Method for Dissolution Improvement of Ketoprofen. <i>Materials Science Forum</i> , 2013 , 737, 166-175	0.4	2
67	Resistors Network Model of Bcc Cell for Investigating Thermal Conductivity of Nanofluids 2011 ,		2
66	Analysis of Mechanical Properties of Single-Wall Carbon Nanotube by Using Finite Element Method 2011 ,		2
65	Synthesis and Characterization of Cross-linked Polymer Electrolyte Membranes for Supercapacitor 2010 ,		2
64	Effect of Fuel Fraction on Small Modified CANDLE Burn-up Based Gas Cooled Fast Reactors 2010 ,		2
63	Analysis of electron leakage current in MOS capacitors by using anisotropic and isotropic mass approaches. <i>Electronics Letters</i> , 2012 , 48, 1585-1586	1.1	2
62	Axial and Lateral Small Strain Measurement of Soils in Compression Test using Local Deformation Transducer. <i>Journal of Engineering and Technological Sciences</i> , 2018 , 50, 53	2.3	2
61	Design and Implementation of Automatic Air Flow Rate Control System. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012011	0.3	2
60	Implementing Project-based Learning in making a weight meter. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012139	0.3	2
59	Generation of Submicron Bubbles using Venturi Tube Method. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012058	0.3	2

58	Study of morphology of composite fibers polyvinylpyrrolidone/cellulose acetate loaded by garlic extract with glycerin as an additive. <i>Materials Today: Proceedings</i> , 2021 , 44, A5-A8	1.4	2
57	The Synthesis and Characterization of Composite Electrospun Fibers of Polyvinylpyrrolidone and Shell Extract of Melinjo (<i>Gnetum gnemon</i> L.). <i>Materials Today: Proceedings</i> , 2019 , 13, 187-192	1.4	1
56	Turmeric extract-loaded polyvinylpyrrolidone spherical submicron particles produced using electrohydrodynamic atomization: their physico-chemical properties and antioxidant activity. <i>Materials Research Express</i> , 2019 , 6, 085415	1.7	1
55	Measurement of Glucose in Blood Using a Simple Non Invasive Method. <i>Materials Science Forum</i> , 2015 , 827, 105-109	0.4	1
54	The Influence of High-k Material/SiO ₂ Gate Stacks on Direct Gate Tunneling Current of Cylindrical Surrounding-Gate MOSFETs. <i>Key Engineering Materials</i> , 2016 , 709, 19-22	0.4	1
53	Band Gap Calculations of Bilayer Graphene and Bilayer Armchair Graphene Nanoribbon. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012013	0.4	1
52	Dynamics of coupled cylinders containing identical granules as potential new granular braking system. <i>Powder Technology</i> , 2018 , 336, 506-515	5.2	1
51	Comparison of tunneling currents in graphene nanoribbon tunnel field effect transistors calculated using Dirac-like equation and Schrödinger's equation. <i>Journal of Semiconductors</i> , 2019 , 40, 062002	2.3	1
50	Modeling of Drain Current in Armchair Graphene Nanoribbon Field Effect Transistor Using Transfer Matrix Method. <i>Advanced Materials Research</i> , 2014 , 896, 367-370	0.5	1
49	Modeling of tunneling currents on Al/SiO ₂ /p-Si MOS capacitors with nanometer-thick oxides 2013 ,		1
48	Thermal Conductivity Enhancement of Brine Containing Charcoal Particles. <i>Materials Science Forum</i> , 2013 , 737, 209-214	0.4	1
47	A comprehensive characterization of a linear deformation sensor for applications in triaxial compression tests 2013 ,		1
46	Design of 3D scanner for surface contour mapping by ultrasonic sensor 2015 ,		1
45	Simulation of Dirac Tunneling Current of an Armchair Graphene Nanoribbon-Based P-N Junction Using a Transfer Matrix Method. <i>Advanced Materials Research</i> , 2014 , 974, 205-209	0.5	1
44	Simulation of Drain Currents of Double Gated Armchair Graphene Nanoribbon Field-Effect Transistors by Solving Dirac "Like" Equation and Using Transfer Matrix Method. <i>Journal of Physics: Conference Series</i> , 2014 , 539, 012020	0.3	1
43	Distributed inner states TiO ₂ -coated plastic fibers as photocatalysts for decomposing organic pollutants in water. <i>Journal of Material Cycles and Waste Management</i> , 2013 , 15, 210-217	3.4	1
42	Fabrication of BCNO-composite thin film phosphors and controlling its thickness 2013 ,		1
41	Design of Hot Roll Press to Fabricate TiO ₂ -Coated Fiber for Decomposing Rhodamine B in Water. <i>Materials Science Forum</i> , 2013 , 737, 33-36	0.4	1

40	Electrical and Magnetic Properties of Polymer Electrolyte PVA.LiOH Dispersed by Fe ₃ O ₄ Nanoparticles 2011 ,		1
39	Electrical Conductivity Study of Polymer Electrolyte Magnetic Nanocomposite Based Poly(Vinyl) Alcohol (PVA) Doping Lithium and Nickel Salt 2010 ,		1
38	Color Image processing for measuring length deformation in compression test 2011 ,		1
37	The feasibility study of small long-life gas cooled fast reactor with mixed natural Uranium/Thorium as fuel cycle input 2012 ,		1
36	Current Developments on Rotary Forcespun Nanofibers and Prospects for Edible Applications. <i>Food Engineering Reviews</i> ,1	6.5	1
35	Theory of Thermodynamic Variables of Rubber Band Heat Engine. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012091	0.3	1
34	Synthesis and Study of Guest-Rebinding of MIP Based on MAA Prepared using Theophylline Template. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012127	0.3	1
33	A simple and low cost tilt examiner system development for a precise landslide early warning system 2016 ,		1
32	Air temperature regulation in a chamber for rotary forcespinning 2016 ,		1
31	Flow Rate and Volume Control of Fluid Based on Arduino for Synthesis of Silver Nanowires. <i>Journal of Physics: Conference Series</i> , 2019 , 1338, 012018	0.3	1
30	Study on Graphene Oxide (GO) Supernatant Dilution to the Optical and Electrical Properties of TCF Based-reduced Graphene Oxide (RGO) Films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 599, 012003	0.4	1
29	Preliminary study of composite fibers polyvinylpyrrolidone/cellulose acetate loaded by garlic extract by means of electrospinning method. <i>Materials Today: Proceedings</i> , 2021 , 44, A1-A4	1.4	1
28	The Study of Velocity Measurement Using Single Light Dependent Resistor (LDR) Sensor 2018 ,		1
27	Freeze-thawed hydrogel loaded by Piper crocatum extract with in-vitro antibacterial and release tests. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 17-36	5.5	1
26	Fabrication and Characterization of Rotary Forcespun Styrofoam Fibers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012039	0.4	0
25	Thermodynamic and Mechanical Analysis of a Thermomagnetic Rotary Engine. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012028	0.3	0
24	Titania Coated Ceramic Membrane from Clay and Muntilan Sand for Wastewater Filter Application. <i>Advanced Materials Research</i> , 2014 , 896, 70-73	0.5	0
23	Syntheses and Characterizations of Supercapacitors Using Nano-Sized ZnO/Nanoporous Carbon Electrodes and PVA-Based Polymer-Hydrogel Electrolytes. <i>Materials Science Forum</i> , 2013 , 737, 191-196	0.4	0

22	Instrumentation system design and laboratory scale simulation of landslide disaster mitigation. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012056	0.3	0
21	Realization of Null-type Bridge Instrument to Determine Water Level to Anticipate Flood Using Inquiry-based Learning. <i>Journal of Physics: Conference Series</i> , 2019 , 1204, 012080	0.3	
20	Modeling of Electron Transmittance and Tunneling Current through a Trapezoidal Potential Barrier by Considering the Spin Polarization Effect. <i>Journal of Physics: Conference Series</i> , 2019 , 1204, 012114	0.3	
19	Modelling of Drain Current in Tunnelling Field-Effect Transistor Based on Strained Armchair Graphene Nanoribbons. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 180, 012038	0.4	
18	Making Counter Clockwise Analog Thermometer Under Project-based Learning Method. <i>Journal of Physics: Conference Series</i> , 2019 , 1204, 012116	0.3	
17	Comparison of Electron Transmittance and Tunneling Current through a Trapezoidal Potential Barrier with Spin Polarization Consideration by using Analytical and Numerical Approaches. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 214, 012038	0.4	
16	High Performance Current-Voltage Characterization System for High Resistance Materials. <i>Advanced Materials Research</i> , 2014 , 896, 710-713	0.5	
15	A Theoretical Study on Electron Tunneling Current in Isotropic High-Dielectric Stack-Based MOS Capacitors with Charge Trapping. <i>Advanced Materials Research</i> , 2014 , 896, 363-366	0.5	
14	The Effects of Nitrogen Concentration in TiN _x and the Thickness of HfSiO _x N to the Tunneling Currents in Isotropic TiN _x /HfSiO _x N/SiO ₂ /Si(100) Capacitors. <i>Applied Mechanics and Materials</i> , 2013 , 481, 121-124	0.3	
13	NONLINEAR OSCILLATION MODEL FOR EXPLAINING THE DISTRIBUTION OF POSITION DEVIATION IN SELF-ORGANIZED NANOPARTICLES. <i>Nano</i> , 2013 , 08, 1350009	1.1	
12	Influence of Incident Angle of Electron on Transmittance and Tunneling Current in Heterostructures with Bias Voltage by Considering Spin Polarization Effect. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 214, 012037	0.4	
11	ArtinM Grafted Phospholipid Nanoparticles for Enhancing Antibiotic Cellular Uptake Against Intracellular Infection. <i>International Journal of Nanomedicine</i> , 2020 , 15, 8829-8843	7.3	
10	A Simple Accelerometer Calibrator. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012099	0.3	
9	Design of Deformation Monitoring System for Volcano Mitigation. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012084	0.3	
8	Realization of Deflection-type Bridge instruments to determine soil moisture using Research-Based Learning. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012035	0.3	
7	Concentration Effect on The Thin Films of Silver Nanowires Fabricated Using Meyer-rod Coating. <i>Journal of Physics: Conference Series</i> , 2019 , 1338, 012020	0.3	
6	Flexural Strength Evaluation of Dental Post Prototype Contain ZAS-PMMA Composite Fiber with Electrospinning Methods. <i>Key Engineering Materials</i> , 2019 , 829, 93-99	0.4	
5	How human age affects the signature's curvature, density and amplitude to wavelength ratio and its potential application for countering document falsification. <i>Australian Journal of Forensic Sciences</i> , 2021 , 53, 112-123	1.1	

4	Repeated thermal shock processes for fragmenting zeolite particles and the possible existence of a critical size. <i>Powder Technology</i> , 2018 , 325, 606-614	5.2
3	TFET I-V characteristics made of bi layer Armchair Grafene Nano Ribbon (AGNR). <i>Journal of Physics: Conference Series</i> , 2018 , 1120, 012095	0.3
2	Transmittance and Tunneling Current through a Trapezoidal Barrier under Spin Polarization Consideration. <i>Journal of Physics: Conference Series</i> , 2018 , 1011, 012047	0.3
1	Investigation of Electrical Behaviors Observed in Vertical GaN Nanowire Transistors Using Extended Landauer-Büttiker Formula. <i>IEEE Access</i> , 2021 , 9, 2913-2923	3.5