

Khairurrijal Khairurrijal

List of Publications by Year in Descending Order

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Version: 2024-04-20

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

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	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
200	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	
199	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
198	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
197	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
196	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
195	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
194	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
193	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	
192	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
191	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
190	Formation of electrospayed composite nanoparticles from polyvinylpyrrolidone/mangosteen pericarp extract. <i>Advanced Powder Technology</i> , 2020 , 31, 1811-1824	4.6	3
189	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
188	ArtinM Grafted Phospholipid Nanoparticles for Enhancing Antibiotic Cellular Uptake Against Intracellular Infection. <i>International Journal of Nanomedicine</i> , 2020 , 15, 8829-8843	7.3	
187	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
186	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
185	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

184	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	
183	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
182	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
181	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
180	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
179	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
178	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
177	Fabrication and Characterization of Rotary Forcespun Styrofoam Fibers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012039	0.4	0
176	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	
175	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
174	Making Counter Clockwise Analog Thermometer Under Project-based Learning Method. <i>Journal of Physics: Conference Series</i> , 2019 , 1204, 012116	0.3	
173	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
172	Controlled morphology of electrospun nanofibers from waste expanded polystyrene for aerosol filtration. <i>Nanotechnology</i> , 2019 , 30, 425602	3.4	25
171	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
170	Synthesis of polyvinylpyrrolidone/mangosteen pericarp extract (MPE) fibered particles using electrospay. <i>Journal of Physics: Conference Series</i> , 2019 , 1282, 012033	0.3	2
169	Aerosol Chamber Characterization for Commercial Particulate Matter (PM) Sensor Evaluation. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 181-194	4.6	18
168	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
167	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

166	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	
165	Stabilization of chitosan-polyethylene oxide electrospun nanofibrous containing Colocasia esculenta tuber protein. <i>Materials Research Express</i> , 2019 , 6, 1150f4	1.7	4
164	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
163	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	
162	Air filtration media from electrospun waste high-impact polystyrene fiber membrane. <i>Materials Research Express</i> , 2018 , 5, 035049	1.7	30
161	Electrosprayed Polyvinylpyrrolidone (PVP) Submicron Particles Loaded by Green Tea Extracts. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012036	0.4	3
160	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
159	Dynamics of coupled cylinders containing identical granules as potential new granular braking system. <i>Powder Technology</i> , 2018 , 336, 506-515	5.2	1
158	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
157	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
156	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	
155	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
154	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
153	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	
152	The Study of Velocity Measurement Using Single Light Dependent Resistor (LDR) Sensor 2018 ,		1
151	Transmittance and Tunneling Current through a Trapezoidal Barrier under Spin Polarization Consideration. <i>Journal of Physics: Conference Series</i> , 2018 , 1011, 012047	0.3	
150	Stability of granular tunnel. <i>Granular Matter</i> , 2018 , 20, 1	2.6	4
149	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

148	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
147	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
146	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
145	Electrospun polyvinylpyrrolidone (PVP)/green tea extract composite nanofiber mats and their antioxidant activities. <i>Materials Research Express</i> , 2018 , 5, 054001	1.7	18
144	Reduction of seawater salinity by natural zeolite (Clinoptilolite): Adsorption isotherms, thermodynamics and kinetics. <i>Desalination</i> , 2017 , 409, 146-156	10.3	101
143	The Design of Mini-Rotary Forcespinning System for Nanofiber Synthesis. <i>Procedia Engineering</i> , 2017 , 170, 24-30		4
142	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
141	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
140	Utilization of Natural Zeolite as Sorbent Material for Seawater Desalination. <i>Procedia Engineering</i> , 2017 , 170, 8-13		28
139	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
138	Single Phase Induction Motor Speed Regulation Using a PID Controller for Rotary Forcespinning Apparatus. <i>Procedia Engineering</i> , 2017 , 170, 404-409		5
137	Encapsulation of Carotene in poly(vinylpyrrolidone) (PVP) by Electrospinning Technique. <i>Procedia Engineering</i> , 2017 , 170, 19-23		32
136	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
135	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
134	Batik Wastewater Treatment Using TiO ₂ Nanoparticles Coated on the Surface of Plastic Sheet. <i>Procedia Engineering</i> , 2017 , 170, 78-83		28
133	Development of WiFi Mesh Infrastructure for Internet of Things Applications. <i>Procedia Engineering</i> , 2017 , 170, 332-337		11
132	Rotary Forcespun Polyvinylpyrrolidone (PVP) Fibers as a Mangosteen Pericarp Extracts Carrier. <i>Procedia Engineering</i> , 2017 , 170, 14-18		10
131	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

130	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
129	Synthesis of High-Impact Polystyrene Fibers using Electrospinning. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012010	0.4	6
128	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
127	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	
126	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
125	Development of a Simple Single-Axis Motion Table System for Testing Tilt Sensors. <i>Procedia Engineering</i> , 2017 , 170, 378-383		2
124	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	
123	Novel Solar Photocatalytic Reactor for Wastewater Treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 214, 012010	0.4	6
122	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
121	Fabrication of Electrospun Nanofiber from Waste Expanded Polystyrene for Aerosol Filtration Application. <i>Advanced Science Letters</i> , 2017 , 23, 5729-5732	0.1	3
120	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	
119	Intermolecular Interactions and the Release Pattern of Electrospun Curcumin-Polyvinylpyrrolidone) Fiber. <i>Biological and Pharmaceutical Bulletin</i> , 2016 , 39, 163-73	2.3	68
118	Simply Electrospun Gelatin/Cellulose Acetate Nanofibers and their Physico-Chemical Characteristics. <i>Materials Science Forum</i> , 2016 , 880, 95-98	0.4	9
117	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
116	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
115	Thermodynamic and Mechanical Analysis of a Thermomagnetic Rotary Engine. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012028	0.3	0
114	The dynamics of a cylinder containing granules rolling down an inclined plane. <i>Powder Technology</i> , 2016 , 301, 44-57	5.2	7
113	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

112	Theory of Thermodynamic Variables of Rubber Band Heat Engine. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012091	0.3	1
111	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
110	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
109	Viscosity Reduction of Heavy Oil Using Nanocatalyst in Aquathermolysis Reaction. <i>KONA Powder and Particle Journal</i> , 2016 , 33, 3-16	3.4	28
108	Instrumentation system design and laboratory scale simulation of landslide disaster mitigation. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012056	0.3	0
107	A Simple Accelerometer Calibrator. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012099	0.3	
106	Electrospun Polyvinylpyrrolidone (PVP) Nanofiber Mats Loaded by <i>Garcinia mangostana</i> L. Extracts. <i>Materials Science Forum</i> , 2016 , 880, 11-14	0.4	18
105	Design and Implementation of Automatic Air Flow Rate Control System. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012011	0.3	2
104	Implementing Project-based Learning in making a weight meter. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012139	0.3	2
103	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
102	A simple and low cost tilt examiner system development for a precise landslide early warning system 2016 ,		1
101	Design of Deformation Monitoring System for Volcano Mitigation. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012084	0.3	
100	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
99	Development of digital water meter infrastructure using wireless sensor networks 2016 ,		4
98	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
97	Air temperature regulation in a chamber for rotary forcespinning 2016 ,		1
96	Characterization of a water level measurement system developed using a commercial submersible pressure transducer 2016 ,		3
95	Development of a simple low-scale solar simulator and its light distribution 2016 ,		4

94	Generation of Submicron Bubbles using Venturi Tube Method. <i>Journal of Physics: Conference Series</i> , 2016 , 739, 012058	0.3	2
93	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	
92	Why does thermal shock produce smaller particles of zeolite?. <i>Powder Technology</i> , 2016 , 301, 911-919	5.2	7
91	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
90	Synthesis of Styrofoam Fibers Using Rotary Forcespinning Technique. <i>Materials Science Forum</i> , 2015 , 827, 279-284	0.4	8
89	Static electric field mapping using a mosquito racket and baby oil. <i>Physics Education</i> , 2015 , 50, 690-693	0.8	5
88	Measurement of Glucose in Blood Using a Simple Non Invasive Method. <i>Materials Science Forum</i> , 2015 , 827, 105-109	0.4	1
87	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
86	Design of 3D scanner for surface contour mapping by ultrasonic sensor 2015 ,		1
85	Design and implementation of wireless sensor network on Ground movement Detection System 2015 ,		2
84	Development of Giant Magnetoresistance Material Based on Cobalt Ferrite. <i>Acta Physica Polonica A</i> , 2015 , 128, B-19-B-23	0.6	11
83	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
82	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
81	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
80	Synthesis and photoluminescence of BCNO/SiO ₂ nanocomposite phosphor materials. <i>Journal of Luminescence</i> , 2014 , 148, 165-168	3.8	10
79	Fe ₃ O ₄ /Zeolite nanocomposites synthesized by microwave assisted coprecipitation and its performance in reducing viscosity of heavy oil 2014 ,		7
78	High Performance Current-Voltage Characterization System for High Resistance Materials. <i>Advanced Materials Research</i> , 2014 , 896, 710-713	0.5	
77	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

76	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	
75	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
74	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
73	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
72	Fluorescent of C-dot composite thin films and its properties 2014 ,		4
71	Characterization of an atrazine molecularly imprinted polymer prepared by a cooling method 2014 ,		4
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	Modeling of tunneling currents on Al/SiO ₂ /p-Si MOS capacitors with nanometer-thick oxides 2013 ,		1
60	Thermal Conductivity Enhancement of Brine Containing Charcoal Particles. <i>Materials Science Forum</i> , 2013 , 737, 209-214	0.4	1
59	A comprehensive characterization of a linear deformation sensor for applications in triaxial compression tests 2013 ,		1

58	Synthesis of $\text{Ni}_x\text{Fe}_{3-x}\text{O}_4$ 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
57	Syntheses of Hematite (Fe_2O_3) Nanoparticles Using Microwave-Assisted Calcination Method. <i>Materials Science Forum</i> , 2013 , 737, 197-203	0.4	11
56	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
55	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
54	Fabrication of BCNO-composite thin film phosphors and controlling its thickness 2013 ,		1
53	Preliminary study of natural zeolite as catalyst for decreasing the viscosity of heavy oil 2013 ,		8
52	Verification of theoretical model for collector current in SiGe-based heterojunction bipolar transistors. <i>Electronics Letters</i> , 2013 , 49, 1347-1348	1.1	2
51	The Effects of Nitrogen Concentration in TiN_x and the Thickness of HfSiO_xN to the Tunneling Currents in Isotropic $\text{TiN}_x/\text{HfSiO}_x\text{N}/\text{SiO}_2/\text{Si}(100)$ Capacitors. <i>Applied Mechanics and Materials</i> , 2013 , 481, 121-124	0.3	
50	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
49	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
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