

C Gomes

List of Publications by Year in descending order

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190
papers

4,227
citations

201385

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128067

60
g-index

191
all docs

191
docs citations

191
times ranked

4209
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-objective optimization and multi-criteria decision-making methods for optimal design of standalone photovoltaic system: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110202.	8.2	138
2	Response of a 25 kV AC railway traction system to lightning current transients and mitigation measures. , 2021, , .		3
3	Nano and bio-composites and their applications: A review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1067, 012093.	0.3	3
4	Design and implementation of an energy-saving melting reactor. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101003.	2.8	2
5	Impacts of Earthing Arrangement on Lightning Protection Efficiency of Grid Connected PV System. , 2021, , .		5
6	Hybrid energy management with respect to a hydrogen energy system and demand response. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1499-1509.	3.8	49
7	A multidisciplinary forensic analysis of two lightning deaths observed in South Africa. <i>International Journal of Disaster Risk Reduction</i> , 2020, 51, 101814.	1.8	13
8	Impact of electrical stimulation on the growth of mycelium of <i>lignosus rhinocerus</i> (cooke) ryvardeen. <i>Electromagnetic Biology and Medicine</i> , 2020, 39, 356-363.	0.7	0
9	Sizing and implementing off-grid stand-alone photovoltaic/battery systems based on multi-objective optimization and techno-economic (MADE) analysis. <i>Energy</i> , 2020, 207, 118163.	4.5	41
10	Multiple scenarios multi-objective salp swarm optimization for sizing of standalone photovoltaic system. <i>Renewable Energy</i> , 2020, 153, 1330-1345.	4.3	40
11	Estimation of photovoltaic module model's parameters using an improved electromagnetic-like algorithm. <i>Neural Computing and Applications</i> , 2020, 32, 12627-12642.	3.2	46
12	Optimal Design of Standalone Photovoltaic System Based on Multi-Objective Particle Swarm Optimization: A Case Study of Malaysia. <i>Processes</i> , 2020, 8, 41.	1.3	16
13	Optimum Design of a Standalone Solar Photovoltaic System Based on Novel Integration of Iterative-PESA-II and AHP-VIKOR Methods. <i>Processes</i> , 2020, 8, 367.	1.3	19
14	Effects of microwave radiation on micro-organisms in selected materials from healthcare waste. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 1277-1288.	1.8	7
15	Energy Efficient System for Galena Concentrate Processing. <i>IEEE Access</i> , 2019, 7, 23388-23395.	2.6	2
16	Non-destructive techniques of detecting plant diseases: A review. <i>Physiological and Molecular Plant Pathology</i> , 2019, 108, 101426.	1.3	85
17	A new method for minimizing cell underutilization in the process of dynamic cell forming and scheduling using artificial neural networks. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2019, 13, JAMDSM0021-JAMDSM0021.	0.3	1
18	On the comparison of lightning fatality rates between states in Malaysia from 2008 to 2019. , 2019, , .		5

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19	Lightning-induced transient effects in a hybrid PV&€“wind system and mitigation strategies. Electric Power Systems Research, 2019, 174, 105882.	2.1	21
20	Modifications Required for Palm Oil to be Qualified as a Mechanical Lubricant. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2019, 9, 50-66.	0.3	4
21	Lightning Caused Multiple Deaths: Lethality of Taking Shelter in Unprotected Buildings. , 2019, , .		7
22	Coordinated Surge Protection System in a TT Wiring System: A Comprehensive Analysis of Performance. , 2019, , .		2
23	Concerns on the Risk of Malaysian Civil and Defense Systems Due to Intentional Electromagnetic Interference. , 2019, , .		3
24	Public Beliefs about Lightning in Malaysia. , 2019, , .		6
25	Frequency Dependent Permittivity of Soil and Bentonite: For Lightning Protection and High Frequency Earthing Systems. , 2019, , .		3
26	Performance Enhancement of Lightning Protection Systems for Offshore Wind Turbine Blades. , 2019, , .		1
27	Testing of Wind Turbine Lightning Protection Systems - Comparison of Testing the Full-Scale Blade Length and a Small Section of the Blade Tip. , 2019, , .		1
28	Electrical Isolation of Two Earthing Systems under Lightning Conditions with TiO2 Nano Fluid Barrier. , 2019, , .		3
29	Switching Transients due to a Power Factor Correction Capacitor Bank in LV Power System and Their Comparison with Lightning Impulses. , 2019, , .		0
30	Effects of electrical stimulation on the yield of tuber of tiger's milk mushroom. Engineering in Agriculture, Environment and Food, 2019, 12, 526-533.	0.2	1
31	Experimental investigation on breakdown characteristics of sand, bentonite and their mixes. Journal of Electrostatics, 2018, 93, 79-84.	1.0	7
32	A new approach of core structure model for 3-phase distribution transformer. International Transactions on Electrical Energy Systems, 2018, 28, e2572.	1.2	6
33	Kriging and Latin Hypercube Sampling Assisted Simulation Optimization in Optimal Design of PID Controller for Speed Control of DC Motor. Journal of Computational and Theoretical Nanoscience, 2018, 15, 1471-1479.	0.4	10
34	Portable Natural Enhancement Material Resistivity Meter : A Prototype. , 2018, , .		2
35	Performance of Bentonite, Fly Ash and Wood Ash Mixtures as Grounding Enhancement Materials. , 2018, , .		7
36	Comparative Study on Lightning Fatality Rate in Malaysia between 2008 and 2017. , 2018, , .		9

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37	Minimum Separation Between Lightning Protection System And Non-Integrated Metallic Structures. , 2018, , .		1
38	Impulse Flashover Characteristics Of Oil Palm Trunk (OPT) Veneer Plywood. , 2018, , .		1
39	A Study on Bentonite and Kenaf Properties for Grounding Purposes. , 2018, , .		9
40	Development of A Portable Type I to III Lightning Surge Protective Device for Compact Structures. , 2018, , .		3
41	Lightning Damages in Glass Fiber-Epoxy Composite Material used for Aerospace Applications. , 2018, , .		3
42	Analysis of Lightning Transient Effects on Hybrid Renewable Energy Sources. , 2018, , .		7
43	Focal and Non-Focal Epilepsy Localization: A Review. IEEE Access, 2018, 6, 49306-49324.	2.6	44
44	A Case Study on 500 kV Line Performance Related to Lightning in Malaysia. IEEE Transactions on Power Delivery, 2018, 33, 2180-2186.	2.9	22
45	Multihazard Weather Risk Perception and Preparedness in Eight Countries. Weather, Climate, and Society, 2018, 10, 501-520.	0.5	19
46	High power microwave devices: Development since 1880. , 2017, , .		10
47	Estimation of Hourly, Daily and Monthly Global Solar Radiation on Inclined Surfaces: Models Re-Visited. Energies, 2017, 10, 134.	1.6	165
48	Artificial Neural Networks in Image Processing for Early Detection of Breast Cancer. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-15.	0.7	97
49	Receptor Sizes and Its Effect on Lightning Protection of Modern Wind Turbines. Journal of Green Engineering (discontinued), 2017, 7, 401-420.	0.7	7
50	Lightning Strike Impacts on Hybrid Photovoltaic-Wind System. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 8, 115.	0.7	11
51	The influence of lightning induced voltage on the distribution power line polymer insulators. PLoS ONE, 2017, 12, e0172118.	1.1	11
52	Energy-saving method for technogenic waste processing. PLoS ONE, 2017, 12, e0187790.	1.1	7
53	Mechanisation of large-scale agricultural fields in developing countriesÂ-Âa review. Journal of the Science of Food and Agriculture, 2016, 96, 3969-3976.	1.7	19
54	Characteristics and performance of soil, bentonite and conductive cement during impulse tests in Swaziland. , 2016, , .		5

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55	Analysis on magnetic flux density and core loss for hexagonal and butt-lap core joint transformers. , 2016, , .		6
56	Lightning fatalities and injuries in Malaysia from 2008 to 2015. , 2016, , .		3
57	Effects of air humidity on the performance of a polymer insulator under lightning induced voltage conditions. , 2016, , .		0
58	Hybrid renewable energy as power supply for shelter during natural disasters. , 2016, , .		1
59	Variations in return stroke velocity and its effect on the return stroke current along lightning channel. , 2016, , .		1
60	Evaluation of electromagnetic fields on polluted polymer insulator under lightning impulse current. , 2016, , .		0
61	Malaysia solar energy experience: Intelligent fault location algorithm for unbalanced radial distribution network including PV systems. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	0
62	Lightning safety psyche. , 2016, , .		5
63	Characteristics of fulgurite-like structures under HV conditions: Effects on electrical earthing systems. , 2016, , .		4
64	Evaluation of lightning protection systems proposed for small structures by electromagnetic simulation. , 2016, , .		4
65	Effect of soil resistivity on magnetic field in the case of lightning strike to a tall structure. , 2016, , .		0
66	Evaluation of lightning location and lightning current wave shape using measured lightning magnetic fields at two stations. , 2016, , .		1
67	A comparison of lightning human fatalities between Malaysia and United States. , 2016, , .		3
68	Concerns of the application of lightning protection risk assesment for small structures. , 2016, , .		4
69	A multi-layer perceptron for scheduling cellular manufacturing systems in the presence of unreliable machines and uncertain cost. Applied Soft Computing Journal, 2016, 49, 27-55.	4.1	40
70	A multi-period scheduling of dynamic cellular manufacturing systems in the presence of cost uncertainty. Computers and Industrial Engineering, 2016, 100, 110-132.	3.4	29
71	Lightning related human casualties in Mongolia. , 2016, , .		2
72	Review of evolution of cellular manufacturing systemâ€™s approaches: Material transferring models. International Journal of Precision Engineering and Manufacturing, 2016, 17, 131-149.	1.1	32

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73	Power loss due to soiling on solar panel: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 1307-1316.	8.2	684
74	Voltage Distribution of a Wind Turbine Transformer Under Direct Lightning Strike: Effects of the Grounding of Cable Shield. <i>Advanced Science Letters</i> , 2016, 22, 1800-1804.	0.2	1
75	Considering the effect of angle on polymer insulator performance under wet condition. , 2015, , .		1
76	Design of 24 Hour Energy Generation from Renewable Energy. , 2015, , .		7
77	Mathematical Relationship Identification for Photovoltaic Systems under Dusty Condition. , 2015, , .		1
78	Consideration of Lightning Current along a Tall Structure in the Presence of Horizontal Arrangement Grounding. <i>Applied Mechanics and Materials</i> , 2015, 793, 34-38.	0.2	0
79	Review and Evaluation of Characterization First Return Stroke in the Measured Lightning Electric Fields on Malaysia Data. <i>Applied Mechanics and Materials</i> , 2015, 793, 44-48.	0.2	0
80	The Electric Field Effect on Angles of Copper-Type Down-Conductor. <i>Applied Mechanics and Materials</i> , 2015, 793, 24-28.	0.2	2
81	The Influence of a Curved on Copper-type Down Conductor. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq1 1 0.784314 0.3 /Overlock 10 T	0.3	2
82	Effect of the grounding system on the lightning current profile along a tall structure. <i>IET Science, Measurement and Technology</i> , 2015, 9, 717-727.	0.9	4
83	Lightning safety of under-privileged communities around Lake Victoria. <i>Geomatics, Natural Hazards and Risk</i> , 2015, 6, 669-685.	2.0	25
84	Surface arcing of insulators due to bentonite contamination. <i>Journal of Electrostatics</i> , 2015, 76, 73-77.	1.0	10
85	Lightning incidents in Mongolia. <i>Geomatics, Natural Hazards and Risk</i> , 2015, 6, 686-701.	2.0	19
86	Concerns of corrosive effects with respect to lightning protection systems. <i>Engineering Failure Analysis</i> , 2015, 57, 434-443.	1.8	27
87	Qualitative and quantitative analysis of solar hydrogen generation literature from 2001 to 2014. <i>Scientometrics</i> , 2015, 105, 759-771.	1.6	24
88	Evaluation of the 2013 Southeast Asian Haze on Solar Generation Performance. <i>PLoS ONE</i> , 2015, 10, e0135118.	1.1	30
89	A simulation tool to assess the lightning induced over-voltages on dc cables of photovoltaic installations. , 2014, , .		7
90	Variation of minimum safety separation for non-conducting lightning targets. , 2014, , .		1

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91	The influence of socio demographic factors on severe weather concern, knowledge and preparedness among Malaysians. , 2014, , .		4
92	Effect of soil resistivity on the lightning current along tall towers. , 2014, , .		2
93	Lightning current and voltage distribution of large axially symmetric buddhist stupa in Sri Lanka. , 2014, , .		8
94	Impact of split factor value on the safe design of distribution substation earth grid. , 2014, , .		0
95	Impact of energization current on the safe design of distribution substation earth grid. , 2014, , .		1
96	Characterization of measured lightning electric fields observed in Malaysia. , 2014, , .		15
97	Lightning occurrence density in Guinea. , 2014, , .		2
98	The position of the media as a tool of communication and education on severe weather in Malaysia. , 2014, , .		1
99	Lightning environment in Burundi. , 2014, , .		5
100	Lightning safety against side flashes: Influence of floating electrodes on gap breakdown. , 2014, , .		2
101	Lightning: Gods and sciences. , 2014, , .		8
102	Analysis of lightning occurrence in Zambia. , 2014, , .		3
103	Lightning hazard mitigation in Uganda. , 2014, , .		10
104	The effect of electromagnetic fields due to hv line on the parallel pipeline. , 2014, , .		4
105	On the behavior of lightning current and charge density in the case of tall tower. , 2014, , .		0
106	Impact of dust on solar energy generation based on actual performance. , 2014, , .		11
107	Effect of the grounding system arrangement on the lightning current along tall structures. , 2014, , .		2
108	Effect of earth grid conductor spacing on the safety criteria of substation earthing. , 2014, , .		4

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109	Modelling of photovoltaic array temperature in a tropical site using generalized extreme value distribution. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, 033134.	0.8	6
110	New approaches in harnessing wave energy: With special attention to small islands. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 29, 345-354.	8.2	80
111	Short Circuit Power based fault location algorithm in distribution networks. , 2014, , .		3
112	Design of distribution substation earth grid in high resistivity soil using CDEGS. , 2014, , .		5
113	Effects of the presence of insulated and non-insulated floating electrodes on side flashing. , 2014, , .		1
114	Characterizing the breakdown behavior of rodplane air gap under impulse over-voltage. , 2014, , .		1
115	On the fault location algorithm for distribution networks in presence of DG. , 2014, , .		3
116	Modelling of lightning current in the case of striking to a tall structure. , 2014, , .		11
117	Significance of localized soil resistivity in designing a grounding system. , 2014, , .		7
118	Steady state performance of improvised ufer grounding practice. , 2014, , .		4
119	On the bending effects of a copper-type down conductor. , 2014, , .		3
120	Hierarchy of hazard control to minimize lightning risk. , 2014, , .		12
121	Unusually long duration lightning electric field return strokes in Malaysia. , 2014, , .		8
122	Evaluation of lightning induced over-voltage due to variations of channel angle. , 2013, , .		3
123	Lightning protection techniques for roof-top PV systems. , 2013, , .		17
124	Safety issues of capacitor banks in medium voltage systems. , 2013, , .		2
125	Protection of oil storage tanks against direct lightning strikes: Self protection scheme or standalone LPS?. , 2013, , .		6
126	Electrical earthing in troubled environment. <i>International Journal of Electrical Power and Energy Systems</i> , 2013, 47, 117-128.	3.3	46

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127	Role of FACTS devices in improving penetration of renewable energy. , 2013, , .		17
128	Corona losses: Issues and solutions. , 2013, , .		1
129	Environmental effects on the performance of electrical grounding systems. , 2013, , .		4
130	VERTICAL ELECTRIC FIELDS AND FIELD CHANGE PARAMETERS DUE TO PARTLY INCLINED LIGHTNING LEADER CHANNELS. Progress in Electromagnetics Research, 2013, 135, 55-80.	1.6	3
131	Evaluation of Lightning Induced Voltage due to the Effect of Design Parameters on Medium Voltage Distribution Line. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.3	4
132	Analytical Expressions for Electromagnetic Fields Associated with the Inclined Lightning Channels in the Time Domain. Electric Power Components and Systems, 2012, 40, 414-438.	1.0	27
133	Lightning accidents in Nigeria: With special attention to aviation mishaps. , 2012, , .		5
134	Case studies of lightning related injuries and property damage in Zambia. , 2012, , .		10
135	Improved algorithm for evaluation of lightning current using measured field at far distances from lightning channel. , 2012, , .		8
136	Lightning safety scheme for sheltering structures in low-income societies and problematic environments. , 2012, , .		20
137	Optimal power demand curve: A case study in Universiti Putra Malaysia. , 2012, , .		0
138	Lightning related effects on the neighborhood of telecommunication tower sites. , 2012, , .		3
139	Analysis of earth resistance of electrodes and soil resistivity at different environments. , 2012, , .		4
140	Performance of backfill materials under impulse and AC testings. , 2012, , .		7
141	Lightning accidents in Uganda. , 2012, , .		16
142	Analytical fields expressions due to lightning channel considering variation of return stroke velocities along the lightning channel. , 2012, , .		5
143	Ambiguity of grounding specifications: IEC 62305 revisited. , 2012, , .		1
144	Breakdown characteristics and optically visible discharge paths of surface flashover. , 2012, , .		5

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145	On the influence of inclined lightning channel on lightning induced voltage evaluation. , 2012, , .		6
146	Recent statistics on lightning fatalities in Malaysia. , 2012, , .		30
147	Public perceptions and lightning safety education in Sri Lanka. , 2012, , .		14
148	Lightning related fish mortality: Case study From Bangladesh. , 2012, , .		2
149	Preliminary results of the performance of grounding electrodes encased in bentonite-mixed concrete. , 2012, , .		3
150	Lightning safety of animals. International Journal of Biometeorology, 2012, 56, 1011-1023.	1.3	36
151	EVALUATION OF LIGHTNING CURRENT AND VELOCITY PROFILES ALONG LIGHTNING CHANNEL USING MEASURED MAGNETIC FLUX DENSITY. Progress in Electromagnetics Research, 2012, 130, 473-492.	1.6	22
152	EVALUATION OF LIGHTNING RETURN STROKE CURRENT USING MEASURED ELECTROMAGNETIC FIELDS. Progress in Electromagnetics Research, 2012, 130, 581-600.	1.6	22
153	On the consideration of the channel angle effects on the electromagnetic fields associated with inclined lightning channel. , 2012, , .		5
154	Hydrogen as an energy carrier: Prospects and challenges. Renewable and Sustainable Energy Reviews, 2012, 16, 3024-3033.	8.2	1,021
155	Modelling and analysis of different aspect of mechanisms in lightning injury. , 2011, , .		9
156	A theoretical approach to estimate the annual lightning hazards on human beings. Atmospheric Research, 2011, 101, 719-725.	1.8	78
157	EVALUATION OF ELECTROMAGNETIC FIELDS ASSOCIATED WITH INCLINED LIGHTNING CHANNEL USING SECOND ORDER FDTD-HYBRID METHODS. Progress in Electromagnetics Research, 2011, 117, 209-236.	1.6	42
158	PROTECTION OF NAVAL SYSTEMS AGAINST ELECTROMAGNETIC EFFECTS DUE TO LIGHTNING. Progress in Electromagnetics Research, 2011, 113, 333-349.	1.6	12
159	Numerical expressions in time domain for electromagnetic fields due to lightning channels. International Journal of Applied Electromagnetics and Mechanics, 2011, 37, 275-289.	0.3	40
160	Lightning protection scenarios of communication tower sites; human hazards and equipment damage. Safety Science, 2011, 49, 1355-1364.	2.6	27
161	Lightning Protection: Getting It Wrong. IEEE Technology and Society Magazine, 2011, 30, 12-21.	0.6	10
162	On the selection and installation of surge protection devices in a TT wiring system for equipment and human safety. Safety Science, 2011, 49, 861-870.	2.6	16

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163	Improvement of earthing systems with backfill materials. , 2010, , .		14
164	Surge protection of low voltage systems and relevant standards. , 2010, , .		0
165	Lightning protection of communication sites: Revisited. , 2010, , .		3
166	An overview of the global statistics on lightning fatalities. , 2010, , .		8
167	A tutorial on the selection and installation of surge protection devices in a TT wiring system. , 2010, , .		3
168	Analysis of wavelet based denoising methods applied to measured lightning electric fields. , 2010, , .		7
169	Transients that may affect low voltage electrical systems. , 2010, , .		1
170	Modifications proposed to the concepts of structural protection. , 2010, , .		1
171	Challenges in the promotion of lightning protection know-how in developing world. , 2010, , .		0
172	ELECTROMAGNETIC TRANSIENTS IN RADIO/MICROWAVE BANDS AND SURGE PROTECTION DEVICES. Progress in Electromagnetics Research, 2010, 108, 101-130.	1.6	6
173	AN ANALYTICAL SECOND-FDTD METHOD FOR EVALUATION OF ELECTRIC AND MAGNETIC FIELDS AT INTERMEDIATE DISTANCES FROM LIGHTNING CHANNEL. Progress in Electromagnetics Research, 2010, 110, 329-352.	1.6	43
174	Leader fields due to a lightning channel with an inclined upper section. Sri Lankan Journal of Physics, 2008, 2, 31.	0.4	0
175	Signatures of electric field pulses generated by cloud flashes. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 413-422.	0.6	39
176	The Fine Structure of Positive Lightning Return-Stroke Radiation Fields. IEEE Transactions on Electromagnetic Compatibility, 2004, 46, 87-95.	1.4	17
177	Characteristics of chaotic pulse trains generated by lightning flashes. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1733-1743.	0.6	33
178	Radiation field pulses associated with the initiation of positive cloud to ground lightning flashes. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1047-1055.	0.6	37
179	Concepts of lightning return stroke models. IEEE Transactions on Electromagnetic Compatibility, 2000, 42, 82-96.	1.4	59
180	Remote sensing of ESD through optical and magnetic radiation fields. IEEE Transactions on Dielectrics and Electrical Insulation, 1999, 6, 896-899.	1.8	14

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181	On theoretical approaches to estimate the lightning return stroke current parameters. , 1999, , .		0
182	Comparison of preliminary breakdown pulses observed in Sweden and in Sri Lanka. Journal of Atmospheric and Solar-Terrestrial Physics, 1998, 60, 975-979.	0.6	61
183	Long impulse currents associated with positive return strokes. Journal of Atmospheric and Solar-Terrestrial Physics, 1998, 60, 693-699.	0.6	13
184	Estimation of peak return stroke currents, current time derivatives and return stroke velocities from measured fields. Journal of Electrostatics, 1998, 43, 163-172.	1.0	5
185	Correlation between the optical signatures and current wave forms of long sparks: applications in lightning research. Journal of Electrostatics, 1998, 43, 267-274.	1.0	33
186	Front-end electronics for the silicon partition of the Phobos detector at RHIC. , 0, , .		1
187	The Development of GPS Navigation Systems in Civil Aircraft. Applied Mechanics and Materials, 0, 390, 512-517.	0.2	0
188	Intelligent Short Circuit Power Based Fault Location Algorithm in Distribution Network Excluding and Including DG Unit. Applied Mechanics and Materials, 0, 793, 516-520.	0.2	1
189	The Behaviour of Three Phase Three- Leg 11kV Transformer Core Type Design Under Sinusoidal and Non-Sinusoidal Operating Conditions for Different Core Materials. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	1
190	Optimum Receptor Location for Efficient Lightning Protection of Modern Wind Turbines. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	2