

# Ajay Kumar

## List of Publications by Year in descending order

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168  
papers

6,081  
citations

109264

35  
h-index

76872

74  
g-index

168  
all docs

168  
docs citations

168  
times ranked

6440  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermochemical Biomass Gasification: A Review of the Current Status of the Technology. <i>Energies</i> , 2009, 2, 556-581.	1.6	673
2	Recent advances in utilization of biochar. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 1055-1064.	8.2	640
3	Quaternary magnetic BiOCl/g-C <sub>3</sub> N <sub>4</sub> /Cu <sub>2</sub> O/Fe <sub>3</sub> O <sub>4</sub> nano-junction for visible light and solar powered degradation of sulfamethoxazole from aqueous environment. <i>Chemical Engineering Journal</i> , 2018, 334, 462-478.	6.6	311
4	Thermogravimetric characterization of corn stover as gasification and pyrolysis feedstock. <i>Biomass and Bioenergy</i> , 2008, 32, 460-467.	2.9	255
5	Biochar-templated g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> nano-assembly for visible and solar assisted photo-degradation of paraquat, nitrophenol reduction and CO <sub>2</sub> conversion. <i>Chemical Engineering Journal</i> , 2018, 339, 393-410.	6.6	241
6	Link prediction techniques, applications, and performance: A survey. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 553, 124289.	1.2	226
7	Sustainable nano-hybrids of magnetic biochar supported g-C <sub>3</sub> N <sub>4</sub> /FeVO <sub>4</sub> for solar powered degradation of noxious pollutants- Synergism of adsorption, photocatalysis & photo-ozonation. <i>Journal of Cleaner Production</i> , 2017, 165, 431-451.	4.6	219
8	Facile hetero-assembly of superparamagnetic Fe <sub>3</sub> O <sub>4</sub> /BiVO <sub>4</sub> stacked on biochar for solar photo-degradation of methyl paraben and pesticide removal from soil. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 337, 118-131.	2.0	158
9	Effects of Biomass Feedstocks and Gasification Conditions on the Physiochemical Properties of Char. <i>Energies</i> , 2013, 6, 3972-3986.	1.6	157
10	Review of recent developments to improve storage and transportation stability of bio-oil. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 859-870.	8.2	138
11	Synthesis and evaluation of biochar-derived catalysts for removal of toluene (model tar) from biomass-generated producer gas. <i>Renewable Energy</i> , 2014, 66, 346-353.	4.3	117
12	Gasification performance of switchgrass pretreated with torrefaction and densification. <i>Applied Energy</i> , 2014, 127, 194-201.	5.1	106
13	Implementation of XOR/XNOR and AND logic gates by using Mach-Zehnder interferometers. <i>Optik</i> , 2014, 125, 5764-5767.	1.4	105
14	Visible photodegradation of ibuprofen and 2,4-D in simulated waste water using sustainable metal free-hybrids based on carbon nitride and biochar. <i>Journal of Environmental Management</i> , 2019, 231, 1164-1175.	3.8	100
15	Co-gasification of municipal solid waste and biomass in a commercial scale downdraft gasifier. <i>Energy</i> , 2018, 163, 513-518.	4.5	91
16	Solar-driven photodegradation of 17- $\beta$ -estradiol and ciprofloxacin from waste water and CO <sub>2</sub> conversion using sustainable coal-char/polymeric-g-C <sub>3</sub> N <sub>4</sub> /RGO metal-free nano-hybrids. <i>New Journal of Chemistry</i> , 2017, 41, 10208-10224.	1.4	90
17	1 $\lambda$ -4 signal router using three Mach-Zehnder interferometers. <i>Optical Engineering</i> , 2013, 52, 035002.	0.5	86
18	Catalytic reforming of toluene and naphthalene (model tar) by char supported nickel catalyst. <i>Fuel</i> , 2017, 187, 128-136.	3.4	86

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19	Pharmacotherapeutic potential of phytochemicals: Implications in cancer chemoprevention and future perspectives. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 564-586.	2.5	73
20	C2IM: Community based context-aware influence maximization in social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 796-818.	1.2	69
21	Engine power generation and emission performance of syngas generated from low-density biomass. <i>Energy Conversion and Management</i> , 2017, 148, 593-603.	4.4	60
22	Digital image processing for measurement of residence time distribution in a laboratory extruder. <i>Journal of Food Engineering</i> , 2006, 75, 237-244.	2.7	58
23	Implementation of optical switches using Mach-Zehnder interferometer. <i>Optical Engineering</i> , 2013, 52, 097106.	0.5	57
24	Distributed power generation via gasification of biomass and municipal solid waste: A review. <i>Journal of the Energy Institute</i> , 2020, 93, 2293-2313.	2.7	53
25	LAPSO-IM: A learning-based influence maximization approach for social networks. <i>Applied Soft Computing Journal</i> , 2019, 82, 105554.	4.1	51
26	Electricity power generation from co-gasification of municipal solid wastes and biomass: Generation and emission performance. <i>Energy</i> , 2018, 162, 764-775.	4.5	50
27	Implementation of sequential logic circuits using the Mach-Zehnder interferometer structure based on electro-optic effect. <i>Optics Communications</i> , 2014, 333, 193-208.	1.0	49
28	Modeling residence time distribution in a twin-screw extruder as a series of ideal steady-state flow reactors. <i>Journal of Food Engineering</i> , 2008, 84, 441-448.	2.7	48
29	Thermochemical Conversion of Biomass to Biofuels. , 2011, , 51-77.		47
30	Effects of Syngas Cooling and Biomass Filter Medium on Tar Removal. <i>Energies</i> , 2017, 10, 349.	1.6	47
31	Modeling low temperature plasma gasification of municipal solid waste. <i>Environmental Technology and Innovation</i> , 2019, 15, 100412.	3.0	47
32	Commercial clustering of sustainable bamboo species in India. <i>Industrial Crops and Products</i> , 2020, 154, 112693.	2.5	47
33	Macromolecular Changes in Extruded Starch Films Plasticized with Glycerol, Water and Stearic Acid. <i>Starch/Staerke</i> , 2009, 61, 256-266.	1.1	46
34	Integration of biomass catalytic pyrolysis and methane aromatization over Mo/HZSM-5 catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 484-492.	2.6	46
35	ACO-IM: maximizing influence in social networks using ant colony optimization. <i>Soft Computing</i> , 2020, 24, 10181-10203.	2.1	45
36	Robust visible light active PANI/LaFeO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> ternary heterojunction for the photo-degradation and mineralization of pharmaceutical effluent: Clozapine. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106159.	3.3	38

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37	Implementation of some high speed combinational and sequential logic gates using micro-ring resonator. <i>Optik</i> , 2016, 127, 8751-8759.	1.4	37
38	Negative axicon tip-based fiber optic interferometer cavity sensor for volatile gas sensing. <i>Optics Express</i> , 2019, 27, 7277.	1.7	37
39	CLP-ID: Community-based link prediction using information diffusion. <i>Information Sciences</i> , 2020, 514, 402-433.	4.0	36
40	Critical factors affecting the integration of biomass gasification and syngas fermentation technology. <i>AIMS Bioengineering</i> , 2016, 3, 188-210.	0.6	36
41	Co-Pyrolysis of torrefied biomass and methane over molybdenum modified bimetallic HZSM-5 catalyst for hydrocarbons production. <i>Green Chemistry</i> , 2017, 19, 757-768.	4.6	35
42	Scale-up of a downdraft gasifier system for commercial scale mobile power generation. <i>Renewable Energy</i> , 2018, 118, 25-33.	4.3	35
43	A Comprehensive Review on Grid-Tied Solar Photovoltaic System. <i>Journal of Green Engineering (discontinued)</i> , 2017, 7, 213-254.	0.7	34
44	Bio-synthesized Cu-ZnO hetero-nanostructure for catalytic degradation of organophosphate chlorpyrifos under solar illumination. <i>Chemosphere</i> , 2021, 277, 130315.	4.2	34
45	Simultaneous Removal of Toluene (Model Tar), NH <sub>3</sub> , and H <sub>2</sub> S, from Biomass-Generated Producer Gas Using Biochar-Based and Mixed-Metal Oxide Catalysts. <i>Energy &amp; Fuels</i> , 2014, 28, 1918-1925.	2.5	33
46	MIM2: Multiple influence maximization across multiple social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120902.	1.2	33
47	High interfacial charge carrier separation in Fe <sub>3</sub> O <sub>4</sub> modified SrTiO <sub>3</sub> /Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> robust magnetic nano-heterojunction for rapid photodegradation of diclofenac under simulated solar-light. <i>Journal of Cleaner Production</i> , 2021, 315, 128137.	4.6	32
48	Pyrolysis of eastern redcedar: Distribution and characteristics of fast and slow pyrolysis products. <i>Fuel</i> , 2016, 166, 157-165.	3.4	30
49	Level-2 node clustering coefficient-based link prediction. <i>Applied Intelligence</i> , 2019, 49, 2762-2779.	3.3	30
50	Link prediction in complex networks based on Significance of Higher-Order Path Index (SHOPI). <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123790.	1.2	27
51	Economics of Distributed Power Generation via Gasification of Biomass and Municipal Solid Waste. <i>Energies</i> , 2020, 13, 3703.	1.6	27
52	Reforming of lignin-derived tars over char-based catalyst using Py-GC/MS. <i>Fuel</i> , 2015, 162, 47-54.	3.4	26
53	Tar reduction in biomass syngas using heat exchanger and vegetable oil bubbler. <i>Energy</i> , 2019, 175, 402-409.	4.5	25
54	Fluidization characteristics of a mixture of gasifier solid residues, switchgrass and inert material. <i>Powder Technology</i> , 2013, 235, 661-668.	2.1	24

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55	TKEH: an efficient algorithm for mining top-k high utility itemsets. <i>Applied Intelligence</i> , 2019, 49, 1078-1097.	3.3	23
56	Life Cycle Assessment of Biochar versus Metal Catalysts Used in Syngas Cleaning. <i>Energies</i> , 2015, 8, 621-644.	1.6	22
57	Antioxidant Phytoconstituents From <i>Onosma bracteata</i> Wall. (Boraginaceae) Ameliorate the CCl <sub>4</sub> Induced Hepatic Damage: In Vivo Study in Male Wistar Rats. <i>Frontiers in Pharmacology</i> , 2020, 11, 1301.	1.6	22
58	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from <i>Cassia fistula</i> L. Leaves. <i>Antioxidants</i> , 2020, 9, 173.	2.2	22
59	Design and development of a bench scale vegetable oil based wet packed bed scrubbing system for removing producer gas tar compounds. <i>Fuel Processing Technology</i> , 2015, 134, 243-250.	3.7	21
60	A Novel Orthogonal Current Decomposition Control for Grid-Connected Voltage Source Converter. <i>IEEE Transactions on Industry Applications</i> , 2019, 55, 7628-7641.	3.3	21
61	High-performance dual cavity-interferometric volatile gas sensor utilizing Graphene/PMMA nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 127921.	4.0	21
62	Optimised PI+VPI current controller for three-phase grid-integrated photovoltaic inverter under grid voltage distortions. <i>IET Renewable Power Generation</i> , 2020, 14, 779-792.	1.7	20
63	The Effect of Gasification Conditions on the Surface Properties of Biochar Produced in a Top-Lit Updraft Gasifier. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 688.	1.3	20
64	Stress compensated MEMS magnetic actuator based on magnetostrictive Fe <sub>65</sub> Co <sub>35</sub> thin films. <i>Sensors and Actuators A: Physical</i> , 2019, 294, 54-60.	2.0	19
65	IMSSO: Maximizing influence in social networks using social spider optimization. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5421.	1.4	19
66	Vegetable oil as a solvent for removing producer gas tar compounds. <i>Fuel Processing Technology</i> , 2015, 133, 97-104.	3.7	18
67	Implementation of high speed optical universal logic gates using the electro-optic effect-based Mach-Zehnder interferometer structures. <i>Journal of Modern Optics</i> , 2015, 62, 978-988.	0.6	18
68	Ricci dark energy model with bulk viscosity. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	18
69	Characterization of Switchgrass, Cellulose, Hemicellulose and Lignin for Thermochemical Conversions. <i>Journal of Biobased Materials and Bioenergy</i> , 2012, 6, 249-258.	0.1	16
70	EHNL: An efficient algorithm for mining high utility itemsets with negative utility value and length constraints. <i>Information Sciences</i> , 2019, 484, 44-70.	4.0	15
71	MNERLP-MUL: Merged node and edge relevance based link prediction in multiplex networks. <i>Journal of Computational Science</i> , 2022, 60, 101606.	1.5	15
72	Implementation of an optical AND gate using Mach-Zehnder interferometers. <i>Proceedings of SPIE</i> , 2014, ,.	0.8	14

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73	Implementation of all-optical active low/high tri-state buffer logic using the micro-ring resonator structures. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	1.5	14
74	A Survey on Information Diffusion Models in Social Networks. <i>Communications in Computer and Information Science</i> , 2019, , 426-439.	0.4	14
75	Photo-degradation of noxious pollutants from water system using <i>Cornulaca monacantha</i> stem supported ZnFe <sub>2</sub> O <sub>4</sub> magnetic bio-nanocomposite. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100290.	1.6	14
76	Equilibrium stage based model of a vegetable oil based wet packed bed scrubbing system for removing producer gas tar compounds. <i>Separation and Purification Technology</i> , 2015, 142, 196-202.	3.9	13
77	Physical properties and reactivity of char obtained from downdraft gasification of sorghum and eastern red cedar. <i>Fuel</i> , 2015, 143, 383-389.	3.4	13
78	Zingerone produces antidiabetic effects and attenuates diabetic nephropathy by reducing oxidative stress and overexpression of NF- $\kappa$ B, TNF- $\alpha$ , and COX-2 proteins in rats. <i>Journal of Functional Foods</i> , 2020, 74, 104199.	1.6	12
79	Implementation of all-optical ripple down counter using the micro-ring resonator structures. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	1.1	12
80	Electro-optic Mach-Zehnder Interferometer based Optical Digital Magnitude Comparator and 1 $\hat{\text{a}}\text{e}$ ™s Complement Calculator. <i>Journal of Optical Communications</i> , 2016, 37, .	4.0	11
81	Highly Tunable Film Bulk Acoustic Wave Resonator Based on Pt/ZnO/Fe <sub>65</sub> Co <sub>35</sub> Thin Films. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 2130-2134.	1.7	11
82	Comparative Life Cycle Assessment of Gasification and Landfilling for Disposal of Municipal Solid Wastes. <i>Energies</i> , 2021, 14, 7032.	1.6	11
83	Realization of MOEMS pressure sensor using mach zehnder interferometer. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 3831-3839.	0.7	10
84	Distal and lateral subungual onychomycosis of the finger nail in a neonate: a rare case. <i>BMC Pediatrics</i> , 2019, 19, 168.	0.7	10
85	Application of Isothermal Calorimetry to Phosphorus Sorption onto Soils in a Flow-through System. <i>Soil Science Society of America Journal</i> , 2014, 78, 147-156.	1.2	9
86	Effect of steam injection location on syngas obtained from an air $\hat{\text{a}}\text{e}$ steam gasifier. <i>Fuel</i> , 2014, 116, 388-394.	3.4	9
87	Holographic Ricci Dark Energy with Constant Bulk Viscosity in f(R,T) Gravity. <i>Gravitation and Cosmology</i> , 2019, 25, 58-68.	0.3	9
88	CoIM: Community-Based Influence Maximization in Social Networks. <i>Communications in Computer and Information Science</i> , 2019, , 440-453.	0.4	9
89	Experimental prototype of a novel feed forward compensation for DC $\hat{\text{a}}\text{e}$ link voltage stabilization in grid $\hat{\text{a}}\text{e}$ tied PV system. <i>International Transactions on Electrical Energy Systems</i> , 2020, 30, e12172.	1.2	9
90	Observational constraints on holographic dark energy model with matter creation. <i>Astrophysics and Space Science</i> , 2020, 365, 1.	0.5	9

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91	Diacetoxy iodobenzene mediated regioselective synthesis and characterization of novel [1,2,4]triazolo[4,3-a]pyrimidines: apoptosis inducer, antiproliferative activities and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 4398-4414.	2.0	9
92	Quintessence behavior via matter creation cosmology. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	9
93	Profile of Skin Biopsies and Patterns of Skin Cancer in a Tertiary Care Center of Western Nepal. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 3403-3406.	0.5	8
94	Fuzzy state grammar and fuzzy deep pushdown automaton. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 31, 249-258.	0.8	8
95	Sol-gel synthesis of polyacrylamide-stannic arsenate nanocomposite ion exchanger: binary separations and enhanced photo-catalytic activity. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	8
96	<i>Butea monosperma</i> (Lam.) Taub. Bark fractions protect against free radicals and induce apoptosis in MCF-7 breast cancer cells via cell-cycle arrest and ROS-mediated pathway. <i>Drug and Chemical Toxicology</i> , 2020, 43, 398-408.	1.2	8
97	Modulation of mutagenicity in <i>Salmonella typhimurium</i> and antioxidant properties and antiproliferative effects of fractions from <i>Cassia fistula</i> L. on human cervical HeLa and breast MCF-7 cancer cells. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6619-6634.	2.7	8
98	UV Light Detection Using Resonance Frequency of Piezoelectric Quartz Crystal. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 2791-2795.	1.6	8
99	Design, analysis and implementation of electronically interfaced photovoltaic system using ARM Cortex-M4 microcontroller. <i>Computers and Electrical Engineering</i> , 2022, 98, 107701.	3.0	8
100	Dispersion characteristics of complex refractive-index planar slab optical waveguide by using finite element method. <i>Optik</i> , 2014, 125, 5929-5935.	1.4	7
101	Viscous Ricci dark energy and generalized second law of thermodynamics in modified $f(R)$ (GR) Tj ETQq1 1,0,784314 rgBT /Ov	0.5	7
102	High utility itemsets mining with negative utility value: A survey. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 6551-6562.	0.8	7
103	<i>trans</i> -Anethole Abrogates Cell Proliferation and Induces Apoptosis through the Mitochondrial-Mediated Pathway in Human Osteosarcoma Cells. <i>Nutrition and Cancer</i> , 2021, 73, 1727-1745.	0.9	7
104	High-Sensitivity Detection of Hazardous Chemical by Special Featured Grating-Assisted Surface Plasmon Resonance Sensor Based on Bimetallic Layer. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 5072-5080.	2.4	7
105	Density Based Initialization Method for K-Means Clustering Algorithm. <i>International Journal of Intelligent Systems and Applications</i> , 2017, 9, 40-48.	0.9	7
106	Prediction of biomass-generated syngas using extents of major reactions in a continuous stirred-tank reactor. <i>Energy</i> , 2014, 72, 222-232.	4.5	6
107	State Grammar and Deep Pushdown Automata for Biological Sequences of Nucleic Acids. <i>Current Bioinformatics</i> , 2016, 11, 470-479.	0.7	6
108	Modeling of RNA secondary structures using two-way quantum finite automata. <i>Chaos, Solitons and Fractals</i> , 2018, 116, 332-339.	2.5	5

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109	Bioenergy from Food Wastes: Thermal Decomposition of Carbohydrates, Lipids, and Proteins. Transactions of the ASABE, 2018, 61, 797-805.	1.1	5
110	Comprehensive Study of all-in-one Simultaneous Multiple Optical Logic Gate Devices Using Mach-Zehnder Interferometer based on the Electro-optic Effect. IETE Technical Review (Institution of Technologists), 2019, 36(1), 1-10.	2.0	10
111	Negative axicon tip micro-cavity with a polymer incorporated optical fiber temperature sensor. OSA Continuum, 2019, 2, 2353.	1.8	5
112	Solubility enhancement of producer gas tar compounds in water using sodium dodecyl sulfate as a surfactant. Fuel Processing Technology, 2015, 133, 75-79.	3.7	4
113	Recent Advances in Power Generation Through Biomass and Municipal Solid Waste Gasification. Energy, Environment, and Sustainability, 2018, , 369-401.	0.6	4
114	Design and Analysis of MEMS Pressure Transmitter Using Mach-Zehnder Interferometer and Artificial Neural Networks. IEEE Sensors Journal, 2018, 18, 7150-7157.	2.4	4
115	Three-Phase Single-Stage VSC Controlled Solar Photovoltaic System with Harmonic Filtering Capability Applied to DG. , 2019, , .		4
116	PVA-coated miniaturized flexible fiber optic sensor for acetone detection: a prospective study for non-invasive diabetes diagnosis. Journal of Materials Science: Materials in Electronics, 2022, 33, 2509-2517.	1.1	4
117	Pseudo affine projection assisted multitasking approach for power quality improvement in grid-interactive photovoltaic (PV) system. IET Power Electronics, 2020, 13, 2905-2916.	1.5	3
118	All-optical pseudo noise sequence generator using a micro-ring resonator. Frontiers of Optoelectronics, 2020, 14, 365.	1.9	3
119	Experimental Validation of an IoT Based Device Selective Power Cut mechanism Using Power Line Carrier Communication for Smart Management of Electricity. Journal of Electrical Engineering and Technology, 2021, 16, 67-77.	1.2	3
120	A Semi-Analytical and Computationally Efficient Method to Calculate the Touch-Point Pressure and Pull-In Voltage of a MEMS Pressure Sensor With a Circular Diaphragm. IEEE Sensors Journal, 2021, 21, 1332-1339.	2.4	3
121	THP1 proteomics in response to mycobacterium tuberculosis infection. Data in Brief, 2021, 35, 106803.	0.5	3
122	A Centrality Measure for Influence Maximization Across Multiple Social Networks. Communications in Computer and Information Science, 2019, , 195-207.	0.4	3
123	Synthesis of Magnetic Hydrogels for Target Delivery of Doxorubicin. Advanced Science, Engineering and Medicine, 2019, 11, 1071-1074.	0.3	3
124	An Efficient Approach for Incremental Association Rule Mining through Histogram Matching Technique. International Journal of Information Retrieval Research, 2012, 2, 29-42.	0.6	3
125	Review of Active Power Filters for Improvement of Power Quality. INROADS- an International Journal of Jaipur National University, 2016, 5, 135.	0.0	3
126	Potential Health Benefits of Nutraceuticals for Human Health. , 2019, , 193-209.		3



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127	Social Network Analysis: A Survey on Measure, Structure, Language Information Analysis, Privacy, and Applications. ACM Transactions on Asian and Low-Resource Language Information Processing, 2023, 22, 1-47.	1.3	3
128	Transforming Growth Factor-Beta 1 Gene Polymorphism in Tuberculosis Patients. International Journal of Human Genetics, 2007, 7, 249-252.	0.1	2
129	Analysis of effect of single and multiple micro-ring resonators as an optical filter using the Mason's gain formula. Proceedings of SPIE, 2014, , .	0.8	2
130	A Fuzzy Inference System (FIS) and Dimensional Analysis for Predicting Energy Consumption and Mean Residence Time in a Twin-Screw Extruder. Journal of Food Process Engineering, 2015, 38, 125-134.	1.5	2
131	Novel MEMS Piezoresistive Sensor with Hair-Pin Structure to Enhance Tensile and Compressive Sensitivity and Correct Non-Linearity. Journal of Electronic Testing: Theory and Applications (JETTA), 2020, 36, 509-517.	0.9	2
132	Viscous Ricci dark energy model with matter creation: Exact solution and observational tests. Pramana - Journal of Physics, 2020, 94, 1.	0.9	2
133	Improved robust mixed norm based controller for grid tied PV systems under voltage disturbances. IET Generation, Transmission and Distribution, 2020, 14, 2610-2619.	1.4	2
134	Experimental investigations on voltage sourced inverter interfaced photovoltaic based distributed generation system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-23.	1.2	2
135	L2 Norm based Adaptive LMS Control for Grid Connected Converters. , 2020, , .		2
136	Design and Analysis of Finite/Infinite Impulse Response Optical Filter for Signal Processing. , 2012, , .		1
137	1 &#x00D7; 8 signal router using cascading the Mach-Zehnder interferometers. , 2013, , .		1
138	Analysis of various optical filtering techniques. , 2013, , .		1
139	Modified P-Q technique to mitigate power quality problems in distribution system. , 2016, , .		1
140	A synchronization of PV source by using bacterial foraging optimization based PI controller to reduce day-time grid dependency. , 2017, , .		1
141	Tunable Film Bulk Acoustic Wave Resonator Based on Magnetostrictive Fe<inf>65</inf>Co<inf>35</inf> Thin Films. , 2018, , .		1
142	A Support Based Initialization Algorithm for Categorical Data Clustering. Journal of Information Technology Research, 2018, 11, 53-67.	0.3	1
143	Active Power Coefficient based Control for Grid-connected PV Systems. , 2019, , .		1
144	Partitioned Based Image Segmentation. , 2019, , .		1

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145	Electronically coupled photovoltaic system with grey wolf optimizer enabled <sc>DC</sc> â€link voltage control loop. International Transactions on Electrical Energy Systems, 2020, 30, e12648.	1.2	1
146	Active power coefficient control for grid-tied photovoltaic system under voltage distortions. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-24.	1.2	1
147	Genome scale metabolic model driven strategy to delineate host response to <i>Mycobacterium tuberculosis</i> infection. Molecular Omics, 2021, 17, 296-306.	1.4	1
148	A novel active current coâ€efficient extractionâ€based control for gridâ€tied solar photovoltaic system. IET Power Electronics, 2021, 14, 2099-2114.	1.5	1
149	Nasal involvement in hand and foot syndrome. Indian Journal of Dermatology, 2013, 58, 164.	0.1	1
150	Time Trend and prediction of Grade 2 Disability among new cases of leprosy in Nepal: A Statistical Modelling. Journal of College of Medical Sciences-Nepal, 2014, 4, 378-383.	0.2	1
151	Realization of Optical Digital Magnitude Comparator Using Electro-Optic Effect Based Cascaded Mach-Zehnder Interferometer Structure. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 773-782.	0.1	1
152	Color Image Segmentation via Improved K-Means Algorithm. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	1
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