

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	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
2	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 Tj ETQq0 2.0 rgBT / Overlock 10	2.0	0
3	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
4	Design, analysis and implementation of electronically interfaced photovoltaic system using ARM Cortex-M4 microcontroller. Computers and Electrical Engineering, 2022, 98, 107701.	3.0	8
5	MNERLP-MUL: Merged node and edge relevance based link prediction in multiplex networks. Journal of Computational Science, 2022, 60, 101606.	1.5	15
6	<i>trans</i> -Anethole Abrogates Cell Proliferation and Induces Apoptosis through the Mitochondrial-Mediated Pathway in Human Osteosarcoma Cells. Nutrition and Cancer, 2021, 73, 1727-1745.	0.9	7
7	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. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4398-4414.	2.0	9
8	Modulation of mutagenicity in Salmonella typhimurium and antioxidant properties and antiproliferative effects of fractions from Cassia fistula L. on human cervical HeLa and breast MCF-7 cancer cells. Environmental Science and Pollution Research, 2021, 28, 6619-6634.	2.7	8
9	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
10	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
11	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
12	Analysis of Dermatology referrals and diagnostic accuracy in a medical college. Asian Journal of Medical Sciences, 2021, 12, 71-74.	0.0	0
13	A novel active current co-efficient extraction based control for grid-tied solar photovoltaic system. IET Power Electronics, 2021, 14, 2099-2114.	1.5	1
14	THP1 proteomics in response to mycobacterium tuberculosis infection. Data in Brief, 2021, 35, 106803.	0.5	3
15	UV Light Detection Using Resonance Frequency of Piezoelectric Quartz Crystal. IEEE Transactions on Electron Devices, 2021, 68, 2791-2795.	1.6	8
16	Bio-synthesized Cu-ZnO hetro-nanostructure for catalytic degradation of organophosphate chlorpyrifos under solar illumination. Chemosphere, 2021, 277, 130315.	4.2	34
17	High interfacial charge carrier separation in Fe3O4 modified SrTiO3/Bi4O5I2 robust magnetic nano-heterojunction for rapid photodegradation of diclofenac under simulated solar-light. Journal of Cleaner Production, 2021, 315, 128137.	4.6	32
18	Robust visible light active PANI/LaFeO3/CoFe2O4 ternary heterojunction for the photo-degradation and mineralization of pharmaceutical effluent: Clozapine. Journal of Environmental Chemical Engineering, 2021, 9, 106159.	3.3	38

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19	Implementation of all-optical ripple down counter using the micro-ring resonator structures. Applied Physics B: Lasers and Optics, 2021, 127, 1.	1.1	12
20	Comparative Life Cycle Assessment of Gasification and Landfilling for Disposal of Municipal Solid Wastes. Energies, 2021, 14, 7032.	1.6	11
21	<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. Drug and Chemical Toxicology, 2020, 43, 398-408.	1.2	8
22	Experimental prototype of a novel feed forward compensation for DC-link voltage stabilization in grid-tied PV system. International Transactions on Electrical Energy Systems, 2020, 30, e12172.	1.2	9
23	IMSSO: Maximizing influence in social networks using social spider optimization. Concurrency Computation Practice and Experience, 2020, 32, e5421.	1.4	19
24	Link prediction in complex networks based on Significance of Higher-Order Path Index (SHOPI). Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123790.	1.2	27
25	CLP-ID: Community-based link prediction using information diffusion. Information Sciences, 2020, 514, 402-433.	4.0	36
26	ACO-IM: maximizing influence in social networks using ant colony optimization. Soft Computing, 2020, 24, 10181-10203.	2.1	45
27	Photo-degradation of noxious pollutants from water system using <i>Cornulaca monacantha</i> stem supported ZnFe ₂ O ₄ magnetic bio-nanocomposite. Sustainable Chemistry and Pharmacy, 2020, 18, 100290.	1.6	14
28	Zingerone produces antidiabetic effects and attenuates diabetic nephropathy by reducing oxidative stress and overexpression of NF- κ B, TNF- α , and COX-2 proteins in rats. Journal of Functional Foods, 2020, 74, 104199.	1.6	12
29	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
30	Distributed power generation via gasification of biomass and municipal solid waste: A review. Journal of the Energy Institute, 2020, 93, 2293-2313.	2.7	53
31	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
32	Economics of Distributed Power Generation via Gasification of Biomass and Municipal Solid Waste. Energies, 2020, 13, 3703.	1.6	27
33	Electronically coupled photovoltaic system with grey wolf optimizer enabled DC-link voltage control loop. International Transactions on Electrical Energy Systems, 2020, 30, e12648.	1.2	1
34	Viscous Ricci dark energy model with matter creation: Exact solution and observational tests. Pramana - Journal of Physics, 2020, 94, 1.	0.9	2
35	Antioxidant Phytoconstituents From <i>Onosma bracteata</i> Wall. (Boraginaceae) Ameliorate the CCl ₄ Induced Hepatic Damage: In Vivo Study in Male Wistar Rats. Frontiers in Pharmacology, 2020, 11, 1301.	1.6	22
36	Regularized NLMS Control for Power Quality Improvement in Grid-connected PV Systems. , 2020, , .		0

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37	Observational constraints on holographic dark energy model with matter creation. <i>Astrophysics and Space Science</i> , 2020, 365, 1.	0.5	9
38	c.29C>T polymorphism in the TGF- β 1 gene correlates with increased risk of End Stage Renal Disease: original study and meta-analysis. <i>Meta Gene</i> , 2020, 25, 100703.	0.3	0
39	Optimised PI α 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
40	Commercial clustering of sustainable bamboo species in India. <i>Industrial Crops and Products</i> , 2020, 154, 112693.	2.5	47
41	Improved robust-mixed-norm-based controller for grid-tied PV systems under voltage disturbances. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 2610-2619.	1.4	2
42	Highly Tunable Film Bulk Acoustic Wave Resonator Based on Pt/ZnO/Fe ₆₅ Co ₃₅ Thin Films. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 2130-2134.	1.7	11
43	All-optical pseudo noise sequence generator using a micro-ring resonator. <i>Frontiers of Optoelectronics</i> , 2020, 14, 365.	1.9	3
44	Link prediction techniques, applications, and performance: A survey. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 553, 124289.	1.2	226
45	Quintessence behavior via matter creation cosmology. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	9
46	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from <i>Cassia fistula</i> L. Leaves. <i>Antioxidants</i> , 2020, 9, 173.	2.2	22
47	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
48	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
49	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
50	L2 Norm based Adaptive LMS Control for Grid Connected Converters. , 2020, , .		2
51	Uremic Pruritus and associated factors in Chronic Dialysis Patients: An Observational Study in Western Nepal. <i>Birat Journal of Health Sciences</i> , 2020, 5, 1224-1230.	0.1	0
52	Real-time Harmonic Filtering in Grid Interfaced Photovoltaic System Based on Adaptive NLMLS. , 2020, , .		1
53	Dynamic Performance Improvement of Grid Interfaced Solar Photovoltaic System using Feed-forward Compensation. <i>Recent Advances in Electrical and Electronic Engineering</i> , 2020, 13, 52-63.	0.2	1
54	Design and analysis of trench-based novel structure for high-sensitive surface plasmon resonance sensor. , 2020, , .		0

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55	Performance enhancement of photovoltaic system under grid voltage distortion utilising total leastâ€square control scheme. IET Power Electronics, 2020, 13, 3044-3055.	1.5	0
56	Solâ€gel synthesis of polyacrylamide-stannic arsenate nanocomposite ion exchanger: binary separations and enhanced photo-catalytic activity. SN Applied Sciences, 2019, 1, 1.	1.5	8
57	Protective effect of high levels of TGF-Î²1 cytokine and its corresponding allele at C-509T locus in Punjabi ESRD population. Meta Gene, 2019, 21, 100587.	0.3	0
58	Modeling low temperature plasma gasification of municipal solid waste. Environmental Technology and Innovation, 2019, 15, 100412.	3.0	47
59	A Novel Orthogonal Current Decomposition Control for Grid-Connected Voltage Source Converter. IEEE Transactions on Industry Applications, 2019, 55, 7628-7641.	3.3	21
60	Three-Phase Single-Stage VSC Controlled Solar Photovoltaic System with Harmonic Filtering Capability Applied to DG. , 2019, , .		4
61	EHNL: An efficient algorithm for mining high utility itemsets with negative utility value and length constraints. Information Sciences, 2019, 484, 44-70.	4.0	15
62	LAPSO-IM: A learning-based influence maximization approach for social networks. Applied Soft Computing Journal, 2019, 82, 105554.	4.1	51
63	Implementation of all-optical active low/high tri-state buffer logic using the micro-ring resonator structures. Optical and Quantum Electronics, 2019, 51, 1.	1.5	14
64	Stress compensated MEMS magnetic actuator based on magnetostrictive Fe65Co35 thin films. Sensors and Actuators A: Physical, 2019, 294, 54-60.	2.0	19
65	Distal and lateral subungual onychomycosis of the finger nail in a neonate: a rare case. BMC Pediatrics, 2019, 19, 168.	0.7	10
66	Tar reduction in biomass syngas using heat exchanger and vegetable oil bubbler. Energy, 2019, 175, 402-409.	4.5	25
67	Holographic Ricci Dark Energy with Constant Bulk Viscosity in f(R,T) Gravity. Gravitation and Cosmology, 2019, 25, 58-68.	0.3	9
68	MIM2: Multiple influence maximization across multiple social networks. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120902.	1.2	33
69	Level-2 node clustering coefficient-based link prediction. Applied Intelligence, 2019, 49, 2762-2779.	3.3	30
70	Active Power Coefficient based Control for Grid-connected PV Systems. , 2019, , .		1
71	Partitioned Based Image Segmentation. , 2019, , .		1
72	A Study of Link Prediction Using Deep Learning. Communications in Computer and Information Science, 2019, , 377-385.	0.4	0

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73	Visible photodegradation of ibuprofen and 2,4-D in simulated waste water using sustainable metal free-hybrids based on carbon nitride and biochar. Journal of Environmental Management, 2019, 231, 1164-1175.	3.8	100
74	TKEH: an efficient algorithm for mining top-k high utility itemsets. Applied Intelligence, 2019, 49, 1078-1097.	3.3	23
75	A Survey on Information Diffusion Models in Social Networks. Communications in Computer and Information Science, 2019, , 426-439.	0.4	14
76	CoIM: Community-Based Influence Maximization in Social Networks. Communications in Computer and Information Science, 2019, , 440-453.	0.4	9
77	C2IM: Community based context-aware influence maximization in social networks. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 796-818.	1.2	69
78	A Centrality Measure for Influence Maximization Across Multiple Social Networks. Communications in Computer and Information Science, 2019, , 195-207.	0.4	3
79	Synthesis of Magnetic Hydrogels for Target Delivery of Doxorubicin. Advanced Science, Engineering and Medicine, 2019, 11, 1071-1074.	0.3	3
80	Negative axicon tip-based fiber optic interferometer cavity sensor for volatile gas sensing. Optics Express, 2019, 27, 7277.	1.7	37
81	Negative axicon tip micro-cavity with a polymer incorporated optical fiber temperature sensor. OSA Continuum, 2019, 2, 2353.	1.8	5
82	Influence Maximization in Social Networks. Springer Optimization and Its Applications, 2019, , 255-267.	0.6	1
83	Potential Health Benefits of Nutraceuticals for Human Health. , 2019, , 193-209.		3
84	Biochar-templated g-C ₃ N ₄ /Bi ₂ O ₂ CO ₃ /CoFe ₂ O ₄ nano-assembly for visible and solar assisted photo-degradation of paraquat, nitrophenol reduction and CO ₂ conversion. Chemical Engineering Journal, 2018, 339, 393-410.	6.6	241
85	Recent Advances in Power Generation Through Biomass and Municipal Solid Waste Gasification. Energy, Environment, and Sustainability, 2018, , 369-401.	0.6	4
86	Quaternary magnetic BiOCl/g-C ₃ N ₄ /Cu ₂ O/Fe ₃ O ₄ nano-junction for visible light and solar powered degradation of sulfamethoxazole from aqueous environment. Chemical Engineering Journal, 2018, 334, 462-478.	6.6	311
87	Scale-up of a downdraft gasifier system for commercial scale mobile power generation. Renewable Energy, 2018, 118, 25-33.	4.3	35
88	Pharmacotherapeutic potential of phytochemicals: Implications in cancer chemoprevention and future perspectives. Biomedicine and Pharmacotherapy, 2018, 97, 564-586.	2.5	73
89	SCIENTIFIC EXPLANATION OF MODE OF ACTION OF SUTSHEKHAR RAS IN AMLAPITTA WITH SPECIAL REFERENCE TO ACID PEPTIC DISORDERS: A REVIEW. International Journal of Research in Ayurveda and Pharmacy, 2018, 9, 47-49.	0.0	0
90	Tunable Film Bulk Acoustic Wave Resonator Based on Magnetostrictive Fe<inf>65</inf>Co<inf>35</inf> Thin Films. , 2018, , .		1

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91	Indirect Current Control of Single-stage Grid-tied Photovoltaic using PSO Assisted PI Controller. , 2018, , .		0
92	Viscous Ricci dark energy and generalized second law of thermodynamics in modified Λ CDM model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 05, 015.	0.5	7
93	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
94	Modeling of RNA secondary structures using two-way quantum finite automata. <i>Chaos, Solitons and Fractals</i> , 2018, 116, 332-339.	2.5	5
95	A Support Based Initialization Algorithm for Categorical Data Clustering. <i>Journal of Information Technology Research</i> , 2018, 11, 53-67.	0.3	1
96	Bioenergy from Food Wastes: Thermal Decomposition of Carbohydrates, Lipids, and Proteins. <i>Transactions of the ASABE</i> , 2018, 61, 797-805.	1.1	5
97	Design and Analysis of MEMS Pressure Transmitter Using Mach-Zehnder Interferometer and Artificial Neural Networks. <i>IEEE Sensors Journal</i> , 2018, 18, 7150-7157.	2.4	4
98	Ricci dark energy model with bulk viscosity. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	18
99	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
100	Co-gasification of municipal solid waste and biomass in a commercial scale downdraft gasifier. <i>Energy</i> , 2018, 163, 513-518.	4.5	91
101	Facile hetero-assembly of superparamagnetic Fe ₃ O ₄ /BiVO ₄ 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
102	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
103	Sustainable nano-hybrids of magnetic biochar supported g-C ₃ N ₄ /FeVO ₄ 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
104	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
105	Solar-driven photodegradation of 17 β -estradiol and ciprofloxacin from waste water and CO ₂ conversion using sustainable coal-char/polymeric-g-C ₃ N ₄ /RGO metal-free nano-hybrids. <i>New Journal of Chemistry</i> , 2017, 41, 10208-10224.	1.4	90
106	Catalytic reforming of toluene and naphthalene (model tar) by char supported nickel catalyst. <i>Fuel</i> , 2017, 187, 128-136.	3.4	86
107	A synchronization of PV source by using bacterial foraging optimization based PI controller to reduce day-time grid dependency. , 2017, , .		1
108	A Comprehensive Review on Grid-Tied Solar Photovoltaic System. <i>Journal of Green Engineering (discontinued)</i> , 2017, 7, 213-254.	0.7	34

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109	Effects of Syngas Cooling and Biomass Filter Medium on Tar Removal. <i>Energies</i> , 2017, 10, 349.	1.6	47
110	Design and implementation of solar PV fed UPQC with advanced MPPT technique. , 2017, , .		0
111	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
112	Modified P-Q technique to mitigate power quality problems in distribution system. , 2016, , .		1
113	Fuzzy state grammar and fuzzy deep pushdown automaton. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 31, 249-258.	0.8	8
114	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
115	Implementation of some high speed combinational and sequential logic gates using micro-ring resonator. <i>Optik</i> , 2016, 127, 8751-8759.	1.4	37
116	Pyrolysis of eastern redcedar: Distribution and characteristics of fast and slow pyrolysis products. <i>Fuel</i> , 2016, 166, 157-165.	3.4	30
117	Electro-optic Mach-Zehnder Interferometer based Optical Digital Magnitude Comparator and 1â€™s Complement Calculator. <i>Journal of Optical Communications</i> , 2016, 37, .	4.0	11
118	State Grammar and Deep Pushdown Automata for Biological Sequences of Nucleic Acids. <i>Current Bioinformatics</i> , 2016, 11, 470-479.	0.7	6
119	Critical factors affecting the integration of biomass gasification and syngas fermentation technology. <i>AIMS Bioengineering</i> , 2016, 3, 188-210.	0.6	36
120	Review of Active Power Filters for Improvement of Power Quality. <i>INROADS- an International Journal of Jaipur National University</i> , 2016, 5, 135.	0.0	3
121	Color Image Segmentation via Improved K-Means Algorithm. <i>International Journal of Advanced Computer Science and Applications</i> , 2016, 7, .	0.5	1
122	Realization of MOEMS pressure sensor using mach zehnder interferometer. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 3831-3839.	0.7	10
123	Solubility enhancement of producer gas tar compounds in water using sodium dodecyl sulfate as a surfactant. <i>Fuel Processing Technology</i> , 2015, 133, 75-79.	3.7	4
124	Vegetable oil as a solvent for removing producer gas tar compounds. <i>Fuel Processing Technology</i> , 2015, 133, 97-104.	3.7	18
125	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
126	Life Cycle Assessment of Biochar versus Metal Catalysts Used in Syngas Cleaning. <i>Energies</i> , 2015, 8, 621-644.	1.6	22

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127	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
128	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
129	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
130	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
131	Reforming of lignin-derived tars over char-based catalyst using Py-GC/MS. <i>Fuel</i> , 2015, 162, 47-54.	3.4	26
132	A Fuzzy Inference System (FIS) and Dimensional Analysis for Predicting Energy Consumption and Mean Residence Time in a Twin-Screw Extruder. <i>Journal of Food Process Engineering</i> , 2015, 38, 125-134.	1.5	2
133	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
134	Recent advances in utilization of biochar. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 1055-1064.	8.2	640
135	Realization of Optical Digital Magnitude Comparator Using Electro-Optic Effect Based Cascaded Mach-Zehnder Interferometer Structure. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2015, 10, 773-782.	0.1	1
136	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
137	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
138	Analysis of effect of single and multiple micro-ring resonators as an optical filter using the Mason's gain formula. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
139	Implementation of an optical AND gate using Mach-Zehnder interferometers. <i>Proceedings of SPIE</i> , 2014, , .	0.8	14
140	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
141	Effect of steam injection location on syngas obtained from an air-steam gasifier. <i>Fuel</i> , 2014, 116, 388-394.	3.4	9
142	Gasification performance of switchgrass pretreated with torrefaction and densification. <i>Applied Energy</i> , 2014, 127, 194-201.	5.1	106
143	Simultaneous Removal of Toluene (Model Tar), NH ₃ , and H ₂ S, from Biomass-Generated Producer Gas Using Biochar-Based and Mixed-Metal Oxide Catalysts. <i>Energy & Fuels</i> , 2014, 28, 1918-1925.	2.5	33
144	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

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145	Implementation of XOR/XNOR and AND logic gates by using Mach-Zehnder interferometers. <i>Optik</i> , 2014, 125, 5764-5767.	1.4	105
146	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
147	Application of Photonic crystal Fiber Sagnac loop in DWDM as a Flat top Comb-Filter. , 2014, , .		0
148	Time Trend and prediction of Grade 2 Disability among new cases of leprosy in Nepal: A Statistical Modelling. <i>Journal of College of Medical Sciences-Nepal</i> , 2014, 4, 378-383.	0.2	1
149	1-4 signal router using three Mach-Zehnder interferometers. <i>Optical Engineering</i> , 2013, 52, 035002.	0.5	86
150	1-8 signal router using cascading the Mach-Zehnder interferometers. , 2013, , .		1
151	Analysis of various optical filtering techniques. , 2013, , .		1
152	Fluidization characteristics of a mixture of gasifier solid residues, switchgrass and inert material. <i>Powder Technology</i> , 2013, 235, 661-668.	2.1	24
153	Effects of Biomass Feedstocks and Gasification Conditions on the Physiochemical Properties of Char. <i>Energies</i> , 2013, 6, 3972-3986.	1.6	157
154	Implementation of optical switches using Mach-Zehnder interferometer. <i>Optical Engineering</i> , 2013, 52, 097106.	0.5	57
155	Nasal involvement in hand and foot syndrome. <i>Indian Journal of Dermatology</i> , 2013, 58, 164.	0.1	1
156	Design and Analysis of Finite/Infinite Impulse Response Optical Filter for Signal Processing. , 2012, , .		1
157	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
158	An Efficient Approach for Incremental Association Rule Mining through Histogram Matching Technique. <i>International Journal of Information Retrieval Research</i> , 2012, 2, 29-42.	0.6	3
159	Thermochemical Conversion of Biomass to Biofuels. , 2011, , 51-77.		47
160	Prevalence of touch sensation (Sparshanendriya-Vyapaktva). <i>AYU: an International Quarterly Journal of Research in Ayurveda</i> , 2010, 31, 111.	0.3	0
161	Macromolecular Changes in Extruded Starch Films Plasticized with Glycerol, Water and Stearic Acid. <i>Starch/Staerke</i> , 2009, 61, 256-266.	1.1	46
162	Thermochemical Biomass Gasification: A Review of the Current Status of the Technology. <i>Energies</i> , 2009, 2, 556-581.	1.6	673

#	ARTICLE	IF	CITATIONS
163	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
164	Thermogravimetric characterization of corn stover as gasification and pyrolysis feedstock. <i>Biomass and Bioenergy</i> , 2008, 32, 460-467.	2.9	255
165	Transforming Growth Factor-Beta 1 Gene Polymorphism in Tuberculosis Patients. <i>International Journal of Human Genetics</i> , 2007, 7, 249-252.	0.1	2
166	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
167	Experimental investigations on voltage sourced inverter interfaced photovoltaic based distributed generation system. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-23.	1.2	2
168	Active power coefficient control for grid-tied photovoltaic system under voltage distortions. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-24.	1.2	1