

Ajay Kumar

List of Publications by Year in descending order

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543
papers

14,684
citations

28242

55
h-index

37183

96
g-index

553
all docs

553
docs citations

553
times ranked

15472
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	Perovskite Oxide Based Materials for Energy and Environment-Oriented Photocatalysis. <i>ACS Catalysis</i> , 2020, 10, 10253-10315.	5.5	401
4	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. <i>Chemical Engineering Journal</i> , 2018, 334, 462-478.	6.6	311
5	Thermogravimetric characterization of corn stover as gasification and pyrolysis feedstock. <i>Biomass and Bioenergy</i> , 2008, 32, 460-467.	2.9	255
6	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. <i>Chemical Engineering Journal</i> , 2018, 339, 393-410.	6.6	241
7	“Masstige”™ marketing: A review, synthesis and research agenda. <i>Journal of Business Research</i> , 2020, 113, 384-398.	5.8	234
8	Link prediction techniques, applications, and performance: A survey. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 553, 124289.	1.2	226
9	Reactive oxygen species generation and mitochondrial dysfunction in the apoptotic cell death of human myeloid leukemia HL-60 cells by a dietary compound withaferin A with concomitant protection by N-acetyl cysteine. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 2115-2133.	2.2	221
10	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
11	Endophytic bacteria: a new source of bioactive compounds. <i>3 Biotech</i> , 2017, 7, 315.	1.1	199
12	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
13	Effects of Biomass Feedstocks and Gasification Conditions on the Physiochemical Properties of Char. <i>Energies</i> , 2013, 6, 3972-3986.	1.6	157
14	Rational Design and Development of Lanthanide-Doped NaYF ₄ @CdS@Au-RGO as Quaternary Plasmonic Photocatalysts for Harnessing Visible–Near-Infrared Broadband Spectrum. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15565-15581.	4.0	156
15	Therapeutic and Medicinal Uses of <i>Aloe vera</i>: A Review. <i>Pharmacology & Pharmacy</i> , 2013, 04, 599-610.	0.2	155
16	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
17	Disease management of tomato through PGPB: current trends and future perspective. <i>3 Biotech</i> , 2017, 7, 255.	1.1	135
18	Recyclable, bifunctional composites of perovskite type N-CaTiO ₃ and reduced graphene oxide as an efficient adsorptive photocatalyst for environmental remediation. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2391-2404.	3.2	124

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19	A triterpenediol from <i>Boswellia serrata</i> induces apoptosis through both the intrinsic and extrinsic apoptotic pathways in human leukemia HL-60 cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 1911-1926.	2.2	122
20	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
21	Defect-Rich MoS ₂ Ultrathin Nanosheets-Coated Nitrogen-Doped ZnO Nanorod Heterostructures: An Insight into in-Situ-Generated ZnS for Enhanced Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2019, 2, 5622-5634.	2.5	109
22	Isolation and characterization of bacterial endophytes of <i>Curcuma longa</i> L. <i>3 Biotech</i> , 2016, 6, 60.	1.1	107
23	Gasification performance of switchgrass pretreated with torrefaction and densification. <i>Applied Energy</i> , 2014, 127, 194-201.	5.1	106
24	Implementation of XOR/XNOR and AND logic gates by using Mach-Zehnder interferometers. <i>Optik</i> , 2014, 125, 5764-5767.	1.4	105
25	Interaction of plant growth promoting bacteria with tomato under abiotic stress: A review. <i>Agriculture, Ecosystems and Environment</i> , 2018, 267, 129-140.	2.5	104
26	High-Efficiency Sky Blue to Ultradeep Blue Thermally Activated Delayed Fluorescent Diodes Based on Ortho-Carbazole-Appended Triarylboron Emitters: Above 32% External Quantum Efficiency in Blue Devices. <i>Advanced Optical Materials</i> , 2018, 6, 1800385.	3.6	104
27	Thymoquinone (2-Isopropyl-5-methyl-1, 4-benzoquinone) as a chemopreventive/anticancer agent: Chemistry and biological effects. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 1113-1126.	1.2	103
28	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
29	A low power IoT network for smart agriculture. , 2018, , .		99
30	Trifunctional metal-organic platform for environmental remediation: structural features with peripheral hydroxyl groups facilitate adsorption, degradation and reduction processes. <i>Dalton Transactions</i> , 2019, 48, 915-927.	1.6	99
31	An essential oil and its major constituent isointermedeol induce apoptosis by increased expression of mitochondrial cytochrome c and apical death receptors in human leukaemia HL-60 cells. <i>Chemico-Biological Interactions</i> , 2008, 171, 332-347.	1.7	95
32	Isolation of plant growth promoting rhizobacteria and their impact on growth and curcumin content in <i>Curcuma longa</i> L. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 8, 1-7.	1.5	91
33	Mass prestige value and competition between American versus Asian laptop brands in an emerging market—Theory and evidence. <i>International Business Review</i> , 2018, 27, 969-981.	2.6	91
34	Co-gasification of municipal solid waste and biomass in a commercial scale downdraft gasifier. <i>Energy</i> , 2018, 163, 513-518.	4.5	91
35	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
36	1-4 signal router using three Mach-Zehnder interferometers. <i>Optical Engineering</i> , 2013, 52, 035002.	0.5	86

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37	Catalytic reforming of toluene and naphthalene (model tar) by char supported nickel catalyst. <i>Fuel</i> , 2017, 187, 128-136.	3.4	86
38	Alborexin clears amyloid- β^2 by inducing autophagy through PTEN-mediated inhibition of the AKT pathway. <i>Autophagy</i> , 2019, 15, 1810-1828.	4.3	81
39	Leveraging utilitarian perspective of online shopping to motivate online shoppers. <i>International Journal of Retail and Distribution Management</i> , 2018, 46, 247-263.	2.7	80
40	Boeravinone B, A Novel Dual Inhibitor of NorA Bacterial Efflux Pump of <i>Staphylococcus aureus</i> and Human P-Glycoprotein, Reduces the Biofilm Formation and Intracellular Invasion of Bacteria. <i>Frontiers in Microbiology</i> , 2017, 8, 1868.	1.5	75
41	Pharmacotherapeutic potential of phytochemicals: Implications in cancer chemoprevention and future perspectives. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 564-586.	2.5	73
42	Interplay between Mesocrystals of CaTiO_3 and Edge Sulfur Atom Enriched MoS_2 on Reduced Graphene Oxide Nanosheets: Enhanced Photocatalytic Performance under Sunlight Irradiation. <i>ChemPhotoChem</i> , 2020, 4, 427-444.	1.5	72
43	Oxidized graphitic carbon nitride as a sustainable metal-free catalyst for hydrogen transfer reactions under mild conditions. <i>Green Chemistry</i> , 2020, 22, 5084-5095.	4.6	71
44	Sulfonic acid functionalized graphitic carbon nitride as solid acid-base bifunctional catalyst for Knoevenagel condensation and multicomponent tandem reactions. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6265-6278.	3.2	70
45	The Potential Application of Endophytes in Management of Stress from Drought and Salinity in Crop Plants. <i>Microorganisms</i> , 2021, 9, 1729.	1.6	70
46	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
47	Microbial Biosurfactant: A New Frontier for Sustainable Agriculture and Pharmaceutical Industries. <i>Antioxidants</i> , 2021, 10, 1472.	2.2	68
48	Isolation and characterization of bacterial endophytes from the roots of <i>Cassia tora</i> L. <i>Annals of Microbiology</i> , 2015, 65, 1391-1399.	1.1	67
49	Discovery of a marine-derived bis-indole alkaloid fascaplysin, as a new class of potent P-glycoprotein inducer and establishment of its structure-activity relationship. <i>European Journal of Medicinal Chemistry</i> , 2016, 107, 1-11.	2.6	66
50	<i>Crocus sativus</i> Extract Tightens the Blood-Brain Barrier, Reduces Amyloid β^2 Load and Related Toxicity in 5XFAD Mice. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1756-1766.	1.7	66
51	Molecular docking studies of 3-bromopyruvate and its derivatives to metabolic regulatory enzymes: Implication in designing of novel anticancer therapeutic strategies. <i>PLoS ONE</i> , 2017, 12, e0176403.	1.1	64
52	Secalonic Acid-D Represses HIF1 β /VEGF-Mediated Angiogenesis by Regulating the Akt/mTOR/p70S6K Signaling Cascade. <i>Cancer Research</i> , 2015, 75, 2886-2896.	0.4	62
53	Cytotoxic and apoptotic activities of novel amino analogues of boswellic acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6411-6416.	1.0	61
54	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

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55	Potassium-Functionalized Graphitic Carbon Nitride Supported on Reduced Graphene Oxide as a Sustainable Catalyst for Knoevenagel Condensation. <i>ACS Applied Nano Materials</i> , 2018, 1, 6711-6723.	2.4	60
56	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
57	Immune modulation and apoptosis induction: Two sides of antitumoural activity of a standardised herbal formulation of <i>Withania somnifera</i> . <i>European Journal of Cancer</i> , 2009, 45, 1494-1509.	1.3	57
58	Implementation of optical switches using Mach-Zehnder interferometer. <i>Optical Engineering</i> , 2013, 52, 097106.	0.5	57
59	Parametric effects on formability of AA2024-O aluminum alloy sheets in single point incremental forming. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1461-1469.	2.6	57
60	Do brands make consumers happy?- A masstige theory perspective. <i>Journal of Retailing and Consumer Services</i> , 2021, 58, 102318.	5.3	57
61	Novel molecular mechanisms of antitumor action of dichloroacetate against T cell lymphoma: Implication of altered glucose metabolism, pH homeostasis and cell survival regulation. <i>Chemico-Biological Interactions</i> , 2012, 199, 29-37.	1.7	55
62	Fascaplysin Induces Caspase Mediated Crosstalk Between Apoptosis and Autophagy Through the Inhibition of PI3K/AKT/mTOR Signaling Cascade in Human Leukemia HL60 Cells. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 985-997.	1.2	54
63	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
64	LAPSO-IM: A learning-based influence maximization approach for social networks. <i>Applied Soft Computing Journal</i> , 2019, 82, 105554.	4.1	51
65	Comparative Analysis of Fruit Metabolites and Pungency Candidate Genes Expression between Bhut Jolokia and Other Capsicum Species. <i>PLoS ONE</i> , 2016, 11, e0167791.	1.1	50
66	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
67	Plasmon induced hot electron generation in two dimensional carbonaceous nanosheets decorated with Au nanostars: enhanced photocatalytic activity under visible light. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1448-1467.	3.2	50
68	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
69	Gelatin-Coated Polycaprolactone Nanoparticle-Mediated Naringenin Delivery Rescue Human Mesenchymal Stem Cells from Oxygen Glucose Deprivation-Induced Inflammatory Stress. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 683-695.	2.6	49
70	Three-Dimensional Carbonaceous Aerogels Embedded with Rh-SrTiO ₃ for Enhanced Hydrogen Evolution Triggered by Efficient Charge Transfer and Light Absorption. <i>ACS Applied Energy Materials</i> , 2020, 3, 12134-12147.	2.5	49
71	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
72	Osthol and curcumin as inhibitors of human Pgp and multidrug efflux pumps of <i>Staphylococcus aureus</i> : reversing the resistance against frontline antibacterial drugs. <i>MedChemComm</i> , 2014, 5, 1540-1547.	3.5	48

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73	Seismotectonics of the eastern Himalayan and indo-burman plate boundary systems. <i>Tectonics</i> , 2015, 34, 2279-2295.	1.3	48
74	A Highly Selective Chemosensor for Cyanide Derived from a Formyl-Functionalized Phosphorescent Iridium(III) Complex. <i>Inorganic Chemistry</i> , 2016, 55, 3448-3461.	1.9	48
75	Effects of Syngas Cooling and Biomass Filter Medium on Tar Removal. <i>Energies</i> , 2017, 10, 349.	1.6	47
76	Modeling low temperature plasma gasification of municipal solid waste. <i>Environmental Technology and Innovation</i> , 2019, 15, 100412.	3.0	47
77	Commercial clustering of sustainable bamboo species in India. <i>Industrial Crops and Products</i> , 2020, 154, 112693.	2.5	47
78	Macromolecular Changes in Extruded Starch Films Plasticized with Glycerol, Water and Stearic Acid. <i>Starch/Staerke</i> , 2009, 61, 256-266.	1.1	46
79	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
80	Enteric-coated gelatin nanoparticles mediated oral delivery of 5-aminosalicylic acid alleviates severity of DSS-induced ulcerative colitis. <i>Materials Science and Engineering C</i> , 2021, 119, 111582.	3.8	46
81	Enhanced Anticancer Potential of Encapsulated Solid Lipid Nanoparticles of TPD: A Novel Triterpenediol from <i>Boswellia serrata</i> . <i>Molecular Pharmaceutics</i> , 2013, 10, 225-235.	2.3	45
82	ACO-IM: maximizing influence in social networks using ant colony optimization. <i>Soft Computing</i> , 2020, 24, 10181-10203.	2.1	45
83	Incorporating inflection S-shaped fault reduction factor to enhance software reliability growth. <i>Applied Mathematical Modelling</i> , 2015, 39, 1463-1469.	2.2	44
84	Discovery of Quinazolin-4(3H)-ones as NLRP3 Inflammasome Inhibitors: Computational Design, Metal-Free Synthesis, and in Vitro Biological Evaluation. <i>Journal of Organic Chemistry</i> , 2019, 84, 5129-5140.	1.7	44
85	Acyl derivatives of boswellic acids as inhibitors of NF- κ B and STATs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 431-435.	1.0	43
86	Identification of embelin, a β -undecyl- α -benzoquinone from <i>Embelia ribes</i> as a multitargeted anti-Alzheimer agent. <i>Drug Development Research</i> , 2019, 80, 655-665.	1.4	43
87	Tumor growth retardation and chemosensitizing action of fatty acid synthase inhibitor orlistat on T cell lymphoma: Implication of reconstituted tumor microenvironment and multidrug resistance phenotype. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 294-302.	1.1	42
88	Forming force in incremental sheet forming: a comparative analysis of the state of the art. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	42
89	Activation of p53/p21/PUMA alliance and disruption of PI3K/Akt in multimodal targeting of apoptotic signaling cascades in cervical cancer cells by a pentacyclic triterpenediol from <i>Boswellia serrata</i> . <i>Molecular Carcinogenesis</i> , 2009, 48, 1093-1108.	1.3	41
90	Network formation of Moringa oleifera gum by radiation induced crosslinking: Evaluation of drug delivery, network parameters and biomedical properties. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 477-488.	3.6	41

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91	Highly efficient visible-light-driven reduction of Cr(VI) from water by porphyrin-based metal-organic frameworks: effect of band gap engineering on the photocatalytic activity. <i>Catalysis Science and Technology</i> , 2020, 10, 7724-7733.	2.1	41
92	Graft and crosslinked polymerization of polysaccharide gum to form hydrogel wound dressings for drug delivery applications. <i>Carbohydrate Research</i> , 2020, 489, 107949.	1.1	40
93	Fatty acid synthase inhibitor orlistat induces apoptosis in T cell lymphoma: Role of cell survival regulatory molecules. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1764-1773.	1.1	39
94	Anti-Acetylcholinesterase Activities of Mono-Herbal Extracts and Exhibited Synergistic Effects of the Phytoconstituents: A Biochemical and Computational Study. <i>Molecules</i> , 2019, 24, 4175.	1.7	39
95	Experimental investigation and optimization of surface roughness in negative incremental forming. Measurement: <i>Journal of the International Measurement Confederation</i> , 2019, 131, 419-430.	2.5	39
96	Synthesis and characterization of alginate and sterculia gum based hydrogel for brain drug delivery applications. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 248-257.	3.6	39
97	Enhancement of electro-optical response of ferroelectric liquid crystal: the role of graphene quantum dots. <i>Liquid Crystals</i> , 2014, 41, 1719-1725.	0.9	38
98	Implementation of some high speed combinational and sequential logic gates using micro-ring resonator. <i>Optik</i> , 2016, 127, 8751-8759.	1.4	37
99	Negative axicon tip-based fiber optic interferometer cavity sensor for volatile gas sensing. <i>Optics Express</i> , 2019, 27, 7277.	1.7	37
100	A review on bioactive phytochemicals and ethnopharmacological potential of purslane (<i>Portulaca</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.4	37
101	A comparative review of meta-heuristic approaches to optimize the SLA violation costs for dynamic execution of cloud services. <i>Soft Computing</i> , 2020, 24, 3909-3922.	2.1	36
102	CLP-ID: Community-based link prediction using information diffusion. <i>Information Sciences</i> , 2020, 514, 402-433.	4.0	36
103	Aminocellulose-grafted-polycaprolactone coated gelatin nanoparticles alleviate inflammation in rheumatoid arthritis: A combinational therapeutic approach. <i>Carbohydrate Polymers</i> , 2021, 258, 117600.	5.1	36
104	Lipid-based nanocarrier-mediated targeted delivery of celecoxib attenuate severity of ulcerative colitis. <i>Materials Science and Engineering C</i> , 2020, 116, 111103.	3.8	36
105	Critical factors affecting the integration of biomass gasification and syngas fermentation technology. <i>AIMS Bioengineering</i> , 2016, 3, 188-210.	0.6	36
106	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
107	Scale-up of a downdraft gasifier system for commercial scale mobile power generation. <i>Renewable Energy</i> , 2018, 118, 25-33.	4.3	35
108	Effect of paddy straw burning on soil microbial dynamics in sandy loam soil of Indo-Gangetic plains. <i>Environmental Technology and Innovation</i> , 2019, 16, 100469.	3.0	35

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109	Structure-activity relationship (SAR) of parthenin analogues with pro-apoptotic activity: Development of novel anti-cancer leads. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4394-4398.	1.0	34
110	The Synthetic Tryptanthrin Analogue Suppresses STAT3 Signaling and Induces Caspase Dependent Apoptosis via ERK Up Regulation in Human Leukemia HL-60 Cells. <i>PLoS ONE</i> , 2014, 9, e110411.	1.1	34
111	A Comprehensive Review on Grid-Tied Solar Photovoltaic System. <i>Journal of Green Engineering (discontinued)</i> , 2017, 7, 213-254.	0.7	34
112	Distribution of cyanobacteria and their interactions with pesticides in paddy field: A comprehensive review. <i>Journal of Environmental Management</i> , 2018, 224, 361-375.	3.8	34
113	Optimization of process parameters for friction stir welding of joining A6061 and A6082 alloys by Taguchi method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 1150-1163.	1.1	33
114	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
115	Meridianin derivatives as potent Dyrk1A inhibitors and neuroprotective agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2948-2952.	1.0	33
116	The anti-angiogenic and cytotoxic effects of the boswellic acid analog BA145 are potentiated by autophagy inhibitors. <i>Molecular Cancer</i> , 2015, 14, 6.	7.9	33
117	MIM2: Multiple influence maximization across multiple social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120902.	1.2	33
118	Integrating Omics and Gene Editing Tools for Rapid Improvement of Traditional Food Plants for Diversified and Sustainable Food Security. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8093.	1.8	33
119	Antitumor and chemosensitizing action of dichloroacetate implicates modulation of tumor microenvironment: A role of reorganized glucose metabolism, cell survival regulation and macrophage differentiation. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 196-208.	1.3	32
120	Supplementation of <i>Spirulina</i> (<i>Arthrospira platensis</i>) Improves Lifespan and Locomotor Activity in Paraquat-Sensitive DJ-1 ⁹³ Flies, a Parkinson's Disease Model in <i>Drosophila melanogaster</i> . <i>Journal of Dietary Supplements</i> , 2017, 14, 573-588.	1.4	32
121	Anti-inflammatory chromone alkaloids and glycoside from <i>Dysoxylum binectariferum</i> . <i>Tetrahedron Letters</i> , 2017, 58, 3974-3978.	0.7	32
122	Investigation of Surface Roughness in Incremental Sheet Forming. <i>Procedia Computer Science</i> , 2018, 133, 1014-1020.	1.2	32
123	Plant Growth-Promoting Rhizobacteria (PGPR): Perspective in Agriculture Under Biotic and Abiotic Stress. , 2018, , 333-342.		32
124	Synthesis and biological evaluation of indoloquinoline alkaloid cryptolepine and its bromo-derivative as dual cholinesterase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 90, 103062.	2.0	32
125	Acteoside ameliorates inflammatory responses through NFκB pathway in alcohol induced hepatic damage. <i>International Immunopharmacology</i> , 2019, 69, 109-117.	1.7	31
126	Identification of genes involved in fruit development/ripening in <i>Capsicum</i> and development of functional markers. <i>Genomics</i> , 2019, 111, 1913-1922.	1.3	31

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127	PARBAC: Priority-Attribute-Based RBAC Model for Azure IoT Cloud. IEEE Internet of Things Journal, 2020, 7, 2890-2900.	5.5	31
128	Medicinal Chemistry of Dihydropyran-Based Medium Ring Macrolides Related to Aspergillides: Selective Inhibition of PI3K β . Journal of Medicinal Chemistry, 2013, 56, 6122-6135.	2.9	30
129	Modeling optimal release policy under fuzzy paradigm in imperfect debugging environment. Information and Software Technology, 2013, 55, 1974-1980.	3.0	30
130	Discovery of 4-acetyl-3-(4-fluorophenyl)-1-(p-tolyl)-5-methylpyrrole as a dual inhibitor of human P-glycoprotein and Staphylococcus aureus Nor A efflux pump. Organic and Biomolecular Chemistry, 2015, 13, 5424-5431.	1.5	30
131	Colchicine derivatives with potent anticancer activity and reduced P-glycoprotein induction liability. Organic and Biomolecular Chemistry, 2015, 13, 5674-5689.	1.5	30
132	Metal-free access of bulky N,N ϵ^2 -diarylcarbodiimides and their reduction: bulky N,N ϵ^2 -diarylformamidines. New Journal of Chemistry, 2016, 40, 7627-7636.	1.4	30
133	Pyrolysis of eastern redcedar: Distribution and characteristics of fast and slow pyrolysis products. Fuel, 2016, 166, 157-165.	3.4	30
134	Antitumor and chemosensitizing action of 3-bromopyruvate: Implication of deregulated metabolism. Chemico-Biological Interactions, 2017, 270, 73-89.	1.7	30
135	Interaction of turmeric (Curcuma longa L.) with beneficial microbes: a review. 3 Biotech, 2017, 7, 357.	1.1	30
136	Level-2 node clustering coefficient-based link prediction. Applied Intelligence, 2019, 49, 2762-2779.	3.3	30
137	Synthesis, and the antioxidant, neuroprotective and P-glycoprotein induction activity of 4-arylquinoline-2-carboxylates. Organic and Biomolecular Chemistry, 2014, 12, 6267-6277.	1.5	29
138	Hydrogel formation by radiation induced crosslinked copolymerization of acrylamide onto moringa gum for use in drug delivery applications. Carbohydrate Polymers, 2018, 200, 262-270.	5.1	29
139	Sensitivity enhancement and temperature compatibility of graphene piezoresistive MEMS pressure sensor. Microsystem Technologies, 2019, 25, 3977-3982.	1.2	28
140	Wire EDM process parameter optimization for D2 steel. Materials Today: Proceedings, 2021, 37, 2478-2482.	0.9	28
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