

Muhammad Imran

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659
papers

11,111
citations

48
h-index

81
g-index

734
ext. papers

14,961
ext. citations

3.9
avg, IF

7.33
L-index

#	Paper	IF	Citations
659	Metal Halide Perovskite Nanocrystals: Synthesis, Post-Synthesis Modifications, and Their Optical Properties. <i>Chemical Reviews</i> , 2019 , 119, 3296-3348	68.1	712
658	Benzoyl Halides as Alternative Precursors for the Colloidal Synthesis of Lead-Based Halide Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2656-2664	16.4	354
657	Processing Social Media Messages in Mass Emergency. <i>ACM Computing Surveys</i> , 2015 , 47, 1-38	13.4	350
656	AIDR 2014 ,		205
655	Zinc oxide nanoparticles alter the wheat physiological response and reduce the cadmium uptake by plants. <i>Environmental Pollution</i> , 2018 , 242, 1518-1526	9.3	176
654	Volumetric expanders for low grade heat and waste heat recovery applications. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 57, 1090-1109	16.2	164
653	Techno economic analysis of a wind-photovoltaic-biomass hybrid renewable energy system for rural electrification: A case study of Kallar Kahar. <i>Energy</i> , 2018 , 148, 208-234	7.9	148
652	Solar light driven degradation of norfloxacin using as-synthesized Bi ³⁺ and Fe ²⁺ co-doped ZnO with the addition of HSO ₅ ⁻ Toxicities and degradation pathways investigation. <i>Chemical Engineering Journal</i> , 2018 , 351, 841-855	14.7	147
651	Thermo-economic optimization of Regenerative Organic Rankine Cycle for waste heat recovery applications. <i>Energy Conversion and Management</i> , 2014 , 87, 107-118	10.6	147
650	Alleviation of cadmium accumulation in maize (<i>Zea mays</i> L.) by foliar spray of zinc oxide nanoparticles and biochar to contaminated soil. <i>Environmental Pollution</i> , 2019 , 248, 358-367	9.3	115
649	Efficient, fast and reabsorption-free perovskite nanocrystal-based sensitized plastic scintillators. <i>Nature Nanotechnology</i> , 2020 , 15, 462-468	28.7	112
648	Computation of topological indices of certain networks. <i>Applied Mathematics and Computation</i> , 2014 , 240, 213-228	2.7	112
647	Forgotten topological index of chemical structure in drugs. <i>Saudi Pharmaceutical Journal</i> , 2016 , 24, 258-264	4.4	111
646	On Zagreb indices, Zagreb polynomials of some nanostar dendrimers. <i>Applied Mathematics and Computation</i> , 2016 , 280, 132-139	2.7	110
645	Design and experimental investigation of a 1kW organic Rankine cycle system using R245fa as working fluid for low-grade waste heat recovery from steam. <i>Energy Conversion and Management</i> , 2015 , 103, 1089-1100	10.6	103
644	Synthesis of polypyrrole/zinc oxide composites and study of their structural, thermal and electrical properties. <i>Synthetic Metals</i> , 2012 , 161, 2753-2758	3.6	102
643	Review of Organic Rankine Cycle experimental data trends. <i>Energy Conversion and Management</i> , 2018 , 173, 679-691	10.6	99

642	Hydroxyl and sulfate radical mediated degradation of ciprofloxacin using nano zerovalent manganese catalyzed S ₂ O ₈ ²⁻ <i>Chemical Engineering Journal</i> , 2019 , 356, 199-209	14.7	99
641	Simultaneous Cationic and Anionic Ligand Exchange For Colloidally Stable CsPbBr ₃ Nanocrystals. <i>ACS Energy Letters</i> , 2019 , 4, 819-824	20.1	97
640	Thermal and kinetic analysis of diverse biomass fuels under different reaction environment: A way forward to renewable energy sources. <i>Energy Conversion and Management</i> , 2020 , 203, 112266	10.6	90
639	Shape-Pure, Nearly Monodispersed CsPbBr Nanocubes Prepared Using Secondary Aliphatic Amines. <i>Nano Letters</i> , 2018 , 18, 7822-7831	11.5	88
638	Recent research trends in organic Rankine cycle technology: A bibliometric approach. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 81, 552-562	16.2	87
637	Greener synthesis of zinc oxide nanoparticles using <i>Trianthema portulacastrum</i> extract and evaluation of its photocatalytic and biological applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 192, 147-157	6.7	86
636	One-Step Growth of Iron-Nickel Bimetallic Nanoparticles on FeNi Alloy Foils: Highly Efficient Advanced Electrodes for the Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28627-28634	9.5	85
635	Nutritional and compositional study of Desi chickpea (<i>Cicer arietinum</i> L.) cultivars grown in Punjab, Pakistan. <i>Food Chemistry</i> , 2007 , 105, 1357-1363	8.5	85
634	Combining Human Computing and Machine Learning to Make Sense of Big (Aerial) Data for Disaster Response. <i>Big Data</i> , 2016 , 4, 47-59	3.1	80
633	Adsorption of acid yellow dye on flakes of chitosan prepared from fishery wastes. <i>Arabian Journal of Chemistry</i> , 2011 , 4, 389-395	5.9	80
632	Synergistic effects of activated carbon and nano-zerovalent copper on the performance of hydroxyapatite-alginate beads for the removal of As ³⁺ from aqueous solution. <i>Journal of Cleaner Production</i> , 2019 , 235, 875-886	10.3	74
631	Multi-objective optimization of evaporator of organic Rankine cycle (ORC) for low temperature geothermal heat source. <i>Applied Thermal Engineering</i> , 2015 , 80, 1-9	5.8	69
630	A Critical Review of Sustainable Energy Policies for the Promotion of Renewable Energy Sources. <i>Sustainability</i> , 2020 , 12, 5078	3.6	68
629	A Novel Magnetically Recoverable Ni-CeO/Pd Nanocatalyst with Superior Catalytic Performance for Hydrogenation of Styrene and 4-Nitrophenol. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9756-9762	9.5	61
628	Health risk assessment of drinking arsenic-containing groundwater in Hasilpur, Pakistan: effect of sampling area, depth, and source. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 20018-20029	5.1	61
627	On topological indices of poly oxide, poly silicate, DOX, and DSL networks. <i>Canadian Journal of Chemistry</i> , 2015 , 93, 730-739	0.9	60
626	Synergistic association of endophytic fungi enhances <i>Glycine max</i> L. resilience to combined abiotic stresses: Heavy metals, high temperature and drought stress. <i>Industrial Crops and Products</i> , 2020 , 143, 111931	5.9	59
625	Comparative assessment of Organic Rankine Cycle integration for low temperature geothermal heat source applications. <i>Energy</i> , 2016 , 102, 473-490	7.9	58

624	Photoactivated platinum-based anticancer drugs. <i>Coordination Chemistry Reviews</i> , 2018 , 376, 405-429	23.2	58
623	Single Phase PtAg Bimetallic Alloy Nanoparticles Highly Dispersed on Reduced Graphene Oxide for Electrocatalytic Application of Methanol Oxidation Reaction. <i>Electrochimica Acta</i> , 2016 , 197, 117-125	6.7	57
622	Arsenic Level and Risk Assessment of Groundwater in Vehari, Punjab Province, Pakistan. <i>Exposure and Health</i> , 2018 , 10, 229-239	8.8	56
621	Modeling Viscosity and Density of Ethanol-Diesel-Biodiesel Ternary Blends for Sustainable Environment. <i>Sustainability</i> , 2020 , 12, 5186	3.6	56
620	Implications of advanced wastewater treatment: Electrocoagulation and electroflocculation of effluent discharged from a wastewater treatment plant. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101101	6.7	55
619	Thermo-economic comparison of air-cooled and cooling tower based Organic Rankine Cycle (ORC) with R245fa and R1233zde as candidate working fluids for different geographical climate conditions. <i>Energy</i> , 2017 , 123, 353-366	7.9	53
618	Planar Double-Epsilon-Near-Zero Cavities for Spontaneous Emission and Purcell Effect Enhancement. <i>ACS Photonics</i> , 2018 , 5, 2287-2294	6.3	51
617	Conjunction of Conducting Polymer Nanostructures with Macroporous Structured Graphene Thin Films for High-Performance Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11711-9	9.5	51
616	Molybdenum-Induced Effects on Nitrogen Metabolism Enzymes and Elemental Profile of Winter Wheat (L.) Under Different Nitrogen Sources. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	50
615	On topological indices of certain interconnection networks. <i>Applied Mathematics and Computation</i> , 2014 , 244, 936-951	2.7	50
614	Stable Ligand Coordination at the Surface of Colloidal CsPbBr Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3715-3726	6.4	49
613	The nexus between financial development, income level, and environment in Central and Eastern European Countries: a perspective on Belt and Road Initiative. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 16053-16075	5.1	49
612	Impact of organic Rankine cycle system installation on light duty vehicle considering both positive and negative aspects. <i>Energy Conversion and Management</i> , 2016 , 112, 382-394	10.6	49
611	Computation of Certain Topological Indices of Nanotubes Covered by C5 and C7. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 533-541	0.3	47
610	Investigation into the Photoluminescence Red Shift in Cesium Lead Bromide Nanocrystal Superlattices. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 655-660	6.4	45
609	Processing Social Media Images by Combining Human and Machine Computing during Crises. <i>International Journal of Human-Computer Interaction</i> , 2018 , 34, 311-327	3.6	45
608	Melatonin: Awakening the Defense Mechanisms during Plant Oxidative Stress. <i>Plants</i> , 2020 , 9,	4.5	44
607	On Topological Indices of Fractal and Cayley Tree Type Dendrimers. <i>Discrete Dynamics in Nature and Society</i> , 2018 , 2018, 1-11	1.1	43

606	MHD Flow of Sodium Alginate-Based Casson Type Nanofluid Passing Through A Porous Medium With Newtonian Heating. <i>Scientific Reports</i> , 2018 , 8, 8645	4.9	43
605	Mechanisms of Cr(VI) resistance by endophytic <i>Sphingomonas</i> sp. LK11 and its Cr(VI) phytotoxic mitigating effects in soybean (<i>Glycine max</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2018 , 164, 648-658	7	42
604	Cell formation in a cellular manufacturing system using simulation integrated hybrid genetic algorithm. <i>Computers and Industrial Engineering</i> , 2017 , 105, 123-135	6.4	41
603	Role of iron-lysine on morpho-physiological traits and combating chromium toxicity in rapeseed (<i>Brassica napus</i> L.) plants irrigated with different levels of tannery wastewater. <i>Plant Physiology and Biochemistry</i> , 2020 , 155, 70-84	5.4	41
602	Computing the forgotten topological index of four operations on graphsPeer review under responsibility of Kalasalingam University.View all notes. <i>AKCE International Journal of Graphs and Combinatorics</i> , 2017 , 14, 70-79	0.5	40
601	On Topological Properties of Symmetric Chemical Structures. <i>Symmetry</i> , 2018 , 10, 173	2.7	40
600	Descriptive and visual summaries of disaster events using artificial intelligence techniques: case studies of Hurricanes Harvey, Irma, and Maria. <i>Behaviour and Information Technology</i> , 2020 , 39, 288-318	2.4	39
599	Batch and Column Scale Removal of Cadmium from Water Using Raw and Acid Activated Wheat Straw Biochar. <i>Water (Switzerland)</i> , 2019 , 11, 1438	3	38
598	On Distance-Based Topological Descriptors of Subdivision Vertex-Edge Join of Three Graphs. <i>IEEE Access</i> , 2019 , 7, 143381-143391	3.5	38
597	On Wiener index and Wiener polarity index of some polyomino chains. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2019 , 22, 1151-1164	1.7	38
596	Interfacial Phenomenon and Nanostructural Enhancements in Palladium Loaded Lanthanum Hydroxide Nanorods for Heterogeneous Catalytic Applications. <i>Scientific Reports</i> , 2018 , 8, 4354	4.9	37
595	On the metric dimension of circulant graphs. <i>Applied Mathematics Letters</i> , 2012 , 25, 320-325	3.5	37
594	Antioxidant potential of rice bran extracts and its effects on stabilisation of cookies under ambient storage. <i>International Journal of Food Science and Technology</i> , 2008 , 43, 779-786	3.8	36
593	Nano zerovalent zinc catalyzed peroxymonosulfate based advanced oxidation technologies for treatment of chlorpyrifos in aqueous solution: A semi-pilot scale study. <i>Journal of Cleaner Production</i> , 2020 , 246, 119032	10.3	36
592	Stable and Size Tunable CsPbBr Nanocrystals Synthesized with Oleylphosphonic Acid. <i>Nano Letters</i> , 2020 , 20, 8847-8853	11.5	36
591	Toxicity of iron oxide nanoparticles to grass litter decomposition in a sandy soil. <i>Scientific Reports</i> , 2017 , 7, 41965	4.9	35
590	Enhanced antimicrobial, anti-oxidant applications of green synthesized AgNPs- an acute chronic toxicity study of phenolic azo dyes & study of materials surface using X-ray photoelectron spectroscopy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018 , 180, 208-217	6.7	34
589	Computation of Certain Topological Indices of Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 70-76	0.3	34

588	Influence of Industry 4.0 on the Production and Service Sectors in Pakistan: Evidence from Textile and Logistics Industries. <i>Social Sciences</i> , 2018 , 7, 246	1.8	34
587	Equilibrium modeling of cadmium biosorption from aqueous solution by compost. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 5277-5284	5.1	33
586	Fault-Tolerant Resolvability and Extremal Structures of Graphs. <i>Mathematics</i> , 2019 , 7, 78	2.3	33
585	On families of convex polytopes with constant metric dimension. <i>Computers and Mathematics With Applications</i> , 2010 , 60, 2629-2638	2.7	32
584	Solitons and lump wave solutions to the graphene thermophoretic motion system with a variable heat transmission. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	30
583	On molecular topological properties of hex-derived networks. <i>Journal of Chemometrics</i> , 2016 , 30, 121-1296		30
582	Ghost-free multi exposure image fusion technique using dense SIFT descriptor and guided filter. <i>Journal of Visual Communication and Image Representation</i> , 2019 , 62, 295-308	2.7	30
581	Exploration of adsorption behavior, electronic nature and NLO response of hydrogen adsorbed Alkali metals (Li, Na and K) encapsulated Al ₁₂ N ₁₂ nanocages. <i>Journal of Theoretical and Computational Chemistry</i> , 2020 , 19, 2050031	1.8	30
580	Succinamide Derivatives Ameliorate Neuroinflammation and Oxidative Stress in Scopolamine-Induced Neurodegeneration. <i>Biomolecules</i> , 2020 , 10,	5.9	29
579	A detection and prevention system against collaborative attacks in Mobile Ad hoc Networks. <i>Future Generation Computer Systems</i> , 2017 , 68, 416-427	7.5	29
578	A robust possibilistic programming approach toward animal fat-based biodiesel supply chain network design under uncertain environment. <i>Journal of Cleaner Production</i> , 2021 , 278, 122403	10.3	29
577	Hydrogeochemical and health risk evaluation of arsenic in shallow and deep aquifers along the different floodplains of Punjab, Pakistan. <i>Journal of Hazardous Materials</i> , 2021 , 402, 124074	12.8	29
576	Molecular description of carbon graphite and crystal cubic carbon structures. <i>Canadian Journal of Chemistry</i> , 2017 , 95, 674-686	0.9	28
575	Thermal and hydraulic optimization of plate heat exchanger using multi objective genetic algorithm. <i>Case Studies in Thermal Engineering</i> , 2017 , 10, 570-578	5.6	28
574	Arsenic removal from aqueous solutions and groundwater using agricultural biowastes-derived biosorbents and biochar: a column-scale investigation. <i>International Journal of Phytoremediation</i> , 2019 , 21, 509-518	3.9	28
573	Structural parameter-modulated nonlinear optical amplitude of acceptor-Donor-configured pyrene derivatives: a DFT approach. <i>RSC Advances</i> , 2021 , 11, 14237-14250	3.7	28
572	Optimization of organic rankine cycle power systems for waste heat recovery on heavy-duty vehicles considering the performance, cost, mass and volume of the system. <i>Energy</i> , 2019 , 180, 229-241	7.9	27
571	Silicon-induced thermotolerance in <i>Solanum lycopersicum</i> L. via activation of antioxidant system, heat shock proteins, and endogenous phytohormones. <i>BMC Plant Biology</i> , 2020 , 20, 248	5.3	27

570	Summarizing Situational Tweets in Crisis Scenario 2016 ,		27
569	Electronic Coupling and Spin-Orbit Charge-Transfer Intersystem Crossing in Phenothiazine-Berylene Compact Electron Donor/Acceptor Dyads. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 7010-7024	3.8	27
568	Toward an optimal solution against Denial of Service attacks in Software Defined Networks. <i>Future Generation Computer Systems</i> , 2019 , 92, 444-453	7.5	27
567	A multivariate analysis of physiological and antioxidant responses and health hazards of wheat under cadmium and lead stress. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 362-370	5.1	27
566	Molecular Iodine for a General Synthesis of Binary and Ternary Inorganic and Hybrid Organic-Inorganic Iodide Nanocrystals. <i>Chemistry of Materials</i> , 2018 , 30, 6915-6921	9.6	27
565	Electrospun one-dimensional nanostructures: a new horizon for gas sensing materials. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 2128-2170	3	27
564	Endophytic fungus <i>Paecilomyces formosus</i> LHL10 produces sester-terpenoid YW3548 and cyclic peptide that inhibit urease and α -glucosidase enzyme activities. <i>Archives of Microbiology</i> , 2018 , 200, 1493-1502	3	27
563	Template based sintering of WO ₃ nanoparticles into porous tungsten oxide nanofibers for acetone sensing applications. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2961-2970	7.1	26
562	Synergistic effects of bismuth coupling on the reactivity and reusability of zerovalent iron nanoparticles for the removal of cadmium from aqueous solution. <i>Science of the Total Environment</i> , 2019 , 669, 333-341	10.2	26
561	Can Selenium and Molybdenum Restrain Cadmium Toxicity to Pollen Grains in ?. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	26
560	Synthesis of magnetite-based nanocomposites for effective removal of brilliant green dye from wastewater. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 24489-24502	5.1	25
559	Economic assessment of greenhouse gas reduction through low-grade waste heat recovery using organic Rankine cycle (ORC). <i>Journal of Mechanical Science and Technology</i> , 2015 , 29, 835-843	1.6	25
558	Composition-, Size-, and Surface Functionalization-Dependent Optical Properties of Lead Bromide Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 2079-2085	6.4	25
557	On topological properties of dominating David derived networks. <i>Canadian Journal of Chemistry</i> , 2016 , 94, 137-148	0.9	25
556	Aquatic Biodegradation of Methylene Blue by Copper Oxide Nanoparticles Synthesized from <i>Azadirachta indica</i> Leaves Extract. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 2455-2462	3.2	25
555	Topological properties of cellular neural networks. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 37, 3605-3614	1.6	25
554	Experimental investigation of off-grid organic Rankine cycle control system adapting sliding pressure strategy under proportional integral with feed-forward and compensator. <i>Applied Thermal Engineering</i> , 2017 , 110, 1153-1163	5.8	25
553	Chemical composition and Biological studies of <i>Ficus benjamina</i> . <i>Chemistry Central Journal</i> , 2014 , 8, 12		25

552	Modelling, simulation and comparison of phase change material storage based direct and indirect solar organic Rankine cycle systems. <i>Applied Thermal Engineering</i> , 2020 , 170, 114780	5.8	25
551	Toxicities, kinetics and degradation pathways investigation of ciprofloxacin degradation using iron-mediated H ₂ O ₂ based advanced oxidation processes. <i>Chemical Engineering Research and Design</i> , 2018 , 117, 473-482	5.5	25
550	Biogeochemical behavior of nickel under different abiotic stresses: toxicity and detoxification mechanisms in plants. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 10496-10514	5.1	24
549	On Degree Based Topological Indices of Certain Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 1599-1605	0.3	24
548	Synthesis, spectral characterization, and biological evaluation of transition metal complexes of bidentate N, o donor schiff bases. <i>Bioinorganic Chemistry and Applications</i> , 2014 , 2014, 812924	4.2	24
547	On classes of regular graphs with constant metric dimension. <i>Acta Mathematica Scientia</i> , 2013 , 33, 187-206		24
546	Exogenous melatonin induces drought stress tolerance by promoting plant growth and antioxidant defence system of soybean plants. <i>AoB PLANTS</i> , 2021 , 13, plab026	2.9	24
545	Topological properties of benzenoid, phenylenes and nanostar dendrimers. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2019 , 22, 1229-1248	1.7	24
544	Novel W-Shaped Oxygen Heterocycle-Fused Fluorene-Based Non-Fullerene Acceptors: First Theoretical Framework for Designing Environment-Friendly Organic Solar Cells. <i>Energy & Fuels</i> , 2021 , 35, 12436-12450	4.1	24
543	Assessment and public perception of drinking water quality and safety in district Vehari, Punjab, Pakistan. <i>Journal of Cleaner Production</i> , 2018 , 181, 224-234	10.3	23
542	Computing the metric dimension of wheel related graphs. <i>Applied Mathematics and Computation</i> , 2014 , 242, 624-632	2.7	23
541	Molecular dynamics study of the mechanical characteristics of Ni/Cu bilayer using nanoindentation. <i>Chinese Physics B</i> , 2012 , 21, 126802	1.2	23
540	Halide Perovskite-Lead Chalcohalide Nanocrystal Heterostructures. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1435-1446	16.4	23
539	Electron Donor and Acceptor Influence on the Nonlinear Optical Response of Diacetylene-Functionalized Organic Materials (DFOMs): Density Functional Theory Calculations. <i>Molecules</i> , 2019 , 24,	4.8	22
538	Br/Co/N Co-doped porous carbon frameworks with enriched defects for high-performance electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10865-10874	13	22
537	Potassium doped methylammonium lead iodide (MAPbI ₃) thin films as a potential absorber for perovskite solar cells; structural, morphological, electronic and optoelectric properties. <i>Physica B: Condensed Matter</i> , 2017 , 522, 57-65	2.8	22
536	Molybdenum Supply Alleviates the Cadmium Toxicity in Fragrant Rice by Modulating Oxidative Stress and Antioxidant Gene Expression. <i>Biomolecules</i> , 2020 , 10,	5.9	22
535	Molybdenum improves 2-acetyl-1-pyrroline, grain quality traits and yield attributes in fragrant rice through efficient nitrogen assimilation under cadmium toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 211, 111911	7	22

534	On molecular topological properties of benzenoid structures. <i>Canadian Journal of Chemistry</i> , 2016 , 94, 687-698	0.9	22
533	Effective sequestration of Congo red dye with ZnO/cotton stalks biochar nanocomposite: MODELING, reusability and stability. <i>Journal of Saudi Chemical Society</i> , 2021 , 25, 101176	4.3	22
532	Reverse logistics network design of e-waste management under the triple bottom line approach. <i>Journal of Cleaner Production</i> , 2020 , 272, 122662	10.3	21
531	Homozygous sequence variants in the FKBP10 gene underlie osteogenesis imperfecta in consanguineous families. <i>Journal of Human Genetics</i> , 2016 , 61, 207-13	4.3	21
530	Correlation between the Estrada index and electronic energies for benzenoid hydrocarbons with applications to boron nanotubes. <i>International Journal of Quantum Chemistry</i> , 2019 , 119, e26016	2.1	21
529	Bounds for the general sum-connectivity index of composite graphs. <i>Journal of Inequalities and Applications</i> , 2017 , 2017, 76	2.1	21
528	Effect of Silicate and Phosphate Solubilizing Rhizobacterium GAK2 on <i>Oryza sativa</i> L. under Cadmium Stress. <i>Journal of Microbiology and Biotechnology</i> , 2020 , 30, 118-126	3.3	21
527	Nickel Toxicity Induced Changes in Nutrient Dynamics and Antioxidant Profiling in Two Maize (L.) Hybrids. <i>Plants</i> , 2019 , 9,	4.5	21
526	A Review of Electricity Demand Forecasting in Low and Middle Income Countries: The Demand Determinants and Horizons. <i>Sustainability</i> , 2020 , 12, 5931	3.6	21
525	Synthesis of Diaminopyrimidine Sulfonate Derivatives and Exploration of Their Structural and Quantum Chemical Insights via SC-XRD and the DFT Approach. <i>ACS Omega</i> , 2021 , 6, 7047-7057	3.9	21
524	On Topological Indices of Certain Families of Nanostar Dendrimers. <i>Molecules</i> , 2016 , 21,	4.8	21
523	On the Metric Dimension of Generalized Petersen Multigraphs. <i>IEEE Access</i> , 2018 , 1-1	3.5	21
522	Flow boiling of R245fa in the brazed plate heat exchanger: Thermal and hydraulic performance assessment. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 110, 657-670	4.9	20
521	A review on the efficacy and medicinal applications of metal-based triazole derivatives. <i>Journal of Coordination Chemistry</i> , 2020 , 73, 2838-2877	1.6	20
520	Nano-zerovalent copper as a Fenton-like catalyst for the degradation of ciprofloxacin in aqueous solution. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101325	6.7	20
519	Sustainable Urban Transport in Pakistan: An Institutional Analysis. <i>International Planning Studies</i> , 2010 , 15, 119-141	1.6	20
518	Benzimidazole Containing Acetamide Derivatives Attenuate Neuroinflammation and Oxidative Stress in Ethanol-Induced Neurodegeneration. <i>Biomolecules</i> , 2020 , 10,	5.9	20
517	Halotolerant bacteria mitigate the effects of salinity stress on soybean growth by regulating secondary metabolites and molecular responses. <i>BMC Plant Biology</i> , 2021 , 21, 176	5.3	20

516	Shared transport: Reducing energy demand and enhancing transport options for residents of small towns. <i>Energy Research and Social Science</i> , 2016 , 18, 139-150	7.7	20
515	Medicine supply chain model for an integrated healthcare system with uncertain product complaints. <i>Journal of Manufacturing Systems</i> , 2018 , 46, 13-28	9.1	20
514	Biosorption of Pb(II) from contaminated water onto biomass: kinetics and equilibrium studies. <i>International Journal of Phytoremediation</i> , 2019 , 21, 777-789	3.9	19
513	Enhanced Z-scheme visible light photocatalytic hydrogen production over Bi ₂ O ₃ /CZS heterostructure. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 4256-4264	6.7	19
512	Synergistic effect of Co-Ni co-bridging with MoS ₂ nanosheets for enhanced electrocatalytic hydrogen evolution reactions.. <i>RSC Advances</i> , 2018 , 8, 3374-3380	3.7	19
511	Monodisperse Pd Nanotetrahedrons on Ultrathin MoO ₃ Nanosheets as Excellent Heterogeneous Catalyst for Chemoselective Hydrogenation Reactions. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27528-27534 ¹⁹	3.8	19
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