

Muhammad Imran

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Development of Frequency Weighted Model Order Reduction Techniques for Discrete-Time One-Dimensional and Two-Dimensional Linear Systems With Error Bounds. <i>IEEE Access</i> , 2022 , 10, 15096-15117	3.5	117
658	The Reactivity of CsPbBr Nanocrystals toward Acid/Base Ligands.. <i>ACS Nano</i> , 2022 ,	16.7	5
657	Kinetics, isothermal and mechanistic insight into the adsorption of eosin yellow and malachite green from water via tri-metallic layered double hydroxide nanosheets. <i>Korean Journal of Chemical Engineering</i> , 2022 , 39, 216-226	2.8	7
656	Influence of Sintering Temperature on the Structural, Morphological, and Electrochemical Properties of NiO-YSZ Anode Synthesized by the Autocombustion Route. <i>Metals</i> , 2022 , 12, 219	2.3	
655	Integrating remote sensing and social sensing for flood mapping. <i>Remote Sensing Applications: Society and Environment</i> , 2022 , 25, 100697	2.8	2
654	Genome wide analysis of DWARF27 genes in soybean and functional characterization of GmD27c reveals eminent role of strigolactones in rhizobia interaction and nodulation in Glycine max.. <i>Molecular Biology Reports</i> , 2022 , 1	2.8	0
653	TBCOV: Two Billion Multilingual COVID-19 Tweets with Sentiment, Entity, Geo, and Gender Labels. <i>Data</i> , 2022 , 7, 8	2.3	4
652	MFC-driven H ₂ S electro-oxidation based on Fe nanoparticles anchored on carbon aerogel-ZIF-8: a combined experimental and DFT study. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1421-1435	7.1	0
651	Influence of acceptor tethering on the performance of nonlinear optical properties for pyrene-based materials with A-ED-ED architecture. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103673	5.9	5
650	Recent advances and perspectives in carbon-based fillers reinforced Si ₃ N ₄ composite for high power electronic devices. <i>Ceramics International</i> , 2022 ,	5.1	1
649	Structural, dielectric, and magnetic properties of CaBaCo _{2-x} Zn _x Nd _y Fe _{12-y} O ₂₂ Y-type hexaferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 6294	2.1	0
648	Vertex-Edge-Degree-Based Topological Properties for Hex-Derived Networks. <i>Complexity</i> , 2022 , 2022, 1-13	1.6	3
647	A Parallel Deep Reinforcement Learning Framework for Controlling Industrial Assembly Lines. <i>Electronics (Switzerland)</i> , 2022 , 11, 539	2.6	0
646	Low temperature phase change materials for thermal energy storage: Current status and computational perspectives. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 50, 101808	4.7	0
645	Mitigation of Commercial Food Waste-Related Salinity Stress Using Halotolerant Rhizobacteria in Chinese Cabbage Plants. <i>Horticulturae</i> , 2022 , 8, 49	2.5	0
644	Personal thermal management - A review on strategies, progress, and prospects. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 130, 105739	5.8	6
643	In-situ synthesis of mercury(II)-N-heterocyclic carbene complexes by using βxide route]structural characterization and their photo-catalytic degradation activity for dyes. <i>Journal of Organometallic Chemistry</i> , 2022 , 960, 122222	2.3	

642	Synthesis and nano-engineering of MXenes for energy conversion and storage applications: Recent advances and perspectives. <i>Coordination Chemistry Reviews</i> , 2022 , 454, 214339	23.2	10
641	screening, SAR and kinetic studies of naturally occurring flavonoids against SARS CoV-2 main protease.. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103473	5.9	0
640	Metal incorporated sulfonamides as promising multidrug targets: Combined enzyme inhibitory, antimicrobial, antioxidant and theoretical exploration. <i>Journal of Molecular Structure</i> , 2022 , 1250, 131710	3.4	6
639	Remarkable nonlinear optical response of Mn@C20 (M = Na & K and n = 1B); a DFT outcome. <i>Materials Science in Semiconductor Processing</i> , 2022 , 138, 106269	4.3	6
638	Metal-organic framework derived CeO ₂ /C nanorod arrays directly grown on nickel foam as a highly efficient electrocatalyst for OER. <i>Fuel</i> , 2022 , 307, 121823	7.1	6
637	Mangrove's rhizospheric engineering with bacterial inoculation improve degradation of diesel contamination. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127046	12.8	4
636	Fabrication of Bimetallic Cu-Ag Nanoparticle-Decorated Poly(cyclotriphosphazene--4,4'-sulfonyldiphenol) and Its Enhanced Catalytic Activity for the Reduction of 4-Nitrophenol.. <i>ACS Omega</i> , 2022 , 7, 7096-7102	3.9	1
635	Techno-Economic and Environmental Impact Analysis of Large-Scale Wind Farms Integration in Weak Transmission Grid from Mid-Career Repowering Perspective. <i>Sustainability</i> , 2022 , 14, 2507	3.6	0
634	Quantum chemical designing of novel fullerene-free acceptor molecules for organic solar cell applications.. <i>Journal of Molecular Modeling</i> , 2022 , 28, 67	2	4
633	Synthetic Methodologies and Energy Storage/Conversion Applications of Porous Carbon Nanosheets: A Systematic Review. <i>Energy & Fuels</i> , 2022 , 36, 3420-3442	4.1	3
632	The Combined Inoculation of AR11 and Biochar Stimulates Synthetic Silicon and Potassium Phosphate Use Efficiency, and Mitigates Salt and Drought Stresses in Rice.. <i>Frontiers in Plant Science</i> , 2022 , 13, 816858	6.2	1
631	A unified technique for entropy enhancement based diabetic retinopathy detection using hybrid neural network.. <i>Computers in Biology and Medicine</i> , 2022 , 145, 105424	7	3
630	Phytochemical, pharmacological and in silico studies on Teucrium stocksianum Bioss. <i>Journal of King Saud University - Science</i> , 2022 , 34, 101969	3.6	
629	Assessment of Wind and Solar Hybrid Energy for Agricultural Applications in Sudan. <i>Energies</i> , 2022 , 15, 5	3.1	4
628	Prospects of Hybrid Energy in Saudi Arabia, Exploring Irrigation Application in Shaqra. <i>Sustainability</i> , 2022 , 14, 5397	3.6	0
627	Cesium Manganese Bromide Nanocrystal Sensitizers for Broadband Vis-to-NIR Downshifting. <i>ACS Energy Letters</i> , 2022 , 7, 1850-1858	20.1	6
626	Orientable Group Distance Magic Labeling of Directed Graphs. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-5	1.1	
625	A Comparative Study of Three Resolving Parameters of Graphs. <i>Complexity</i> , 2021 , 2021, 1-13	1.6	2

624	Structure-fragmentation study of Pentacyclic triterpenoids using electrospray ionization quadrupole time-of-flight tandem mass spectrometry (ESI-QToF-MS/MS).. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , e9243	2.2	1
623	Coumaronochromone as antibacterial and carbonic anhydrase inhibitors from (Burm.f.) Merr.: experimental and first-principles approaches. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2021 , 76, 71-78	1.7	3
622	Properties of Total Transformation Graphs for General Sum-Connectivity Index. <i>Complexity</i> , 2021 , 2021, 1-6	1.6	1
621	Eccentricity-Based Topological Invariants of Dominating David-Derived Networks. <i>Journal of Chemistry</i> , 2021 , 2021, 1-10	2.3	1
620	Exploration of promising optical and electronic properties of (non-polymer) small donor molecules for organic solar cells. <i>Scientific Reports</i> , 2021 , 11, 21540	4.9	6
619	Transcriptomics of tapping and healing process in frankincense tree during resin production. <i>Genomics</i> , 2021 , 113, 4337-4351	4.3	1
618	NiSe ₂ nanocrystals intercalated rGO sheets as a high-performance asymmetric supercapacitor electrode. <i>Ceramics International</i> , 2021 , 48, 5509-5509	5.1	1
617	Expected Values of Some Molecular Descriptors in Random Cyclooctane Chains. <i>Symmetry</i> , 2021 , 13, 2197	2.7	1
616	Exploration of Photophysical and Nonlinear Properties of Salicylaldehyde-Based Functionalized Materials: A Facile Synthetic and DFT Approach.. <i>ACS Omega</i> , 2021 , 6, 33914-33922	3.9	3
615	Iron oxide nanoparticles doped biochar ameliorates trace elements induced phytotoxicity in tomato by modulation of physiological and biochemical responses: Implications for human health risk.. <i>Chemosphere</i> , 2021 , 289, 133203	8.4	0
614	Development of Frequency Weighted Model Reduction Algorithm with Error Bound: Application to Doubly Fed Induction Generator Based Wind Turbines for Power System. <i>Electronics (Switzerland)</i> , 2021 , 10, 44	2.6	9
613	Systematic Development of Short-Term Load Forecasting Models for the Electric Power Utilities: The Case of Pakistan. <i>IEEE Access</i> , 2021 , 9, 140281-140297	3.5	5
612	Fabrication of rGO/SrSeO ₄ nanocomposite as an electrode material with enhanced specific power for supercapacitor applications. <i>Journal of Taibah University for Science</i> , 2021 , 15, 357-366	3	0
611	Exploration of efficient electron acceptors for organic solar cells: rational design of indacenodithiophene based non-fullerene compounds. <i>Scientific Reports</i> , 2021 , 11, 19931	4.9	9
610	Tuning of a A-A-D-A-A-Type Small Molecule with Benzodithiophene as a Central Core with Efficient Photovoltaic Properties for Organic Solar Cells. <i>ACS Omega</i> , 2021 , 6, 28923-28935	3.9	12
609	Irregularity and Modular Irregularity Strength of Wheels. <i>Mathematics</i> , 2021 , 9, 2710	2.3	2
608	Isolation of phytochemicals from <i>Malva neglecta</i> Wallr and their quantum chemical, molecular docking exploration as active drugs against COVID-19. <i>Journal of Saudi Chemical Society</i> , 2021 , 101358	4.3	2
607	Performance Assessment and Working Fluid Selection for Novel Integrated Vapor Compression Cycle and Organic Rankine Cycle for Ultra Low Grade Waste Heat Recovery. <i>Sustainability</i> , 2021 , 13, 11592 ^{3,6}		0

606	Molecular engineering of indenoindene-3-ethylrodanine acceptors with A2-A1-D-A1-A2 architecture for promising fullerene-free organic solar cells. <i>Scientific Reports</i> , 2021 , 11, 20320	4.9	6
605	C10F as a potential anode material for alkali-ion batteries; a quantum chemical approach. <i>Computational and Theoretical Chemistry</i> , 2021 , 1206, 113470	2	0
604	Metabolic-based insecticide resistance mechanism and ecofriendly approaches for controlling of beet armyworm <i>Spodoptera exigua</i> : a review. <i>Environmental Science and Pollution Research</i> , 2021 , 29, 1746	5.1	9
603	Synthesis, crystal structure, Hirshfeld surface analysis and theoretical investigation of polynuclear coordination polymers of cobalt and manganese complexes with nitrobenzene and pyrazine. <i>Journal of Molecular Structure</i> , 2021 , 1250, 131851	3.4	7
602	Dielectric Studies of Bi ₂ MoO ₆ /Graphene Oxide and La-Doped Bi ₂ MoO ₆ /Graphene Oxide Nanocomposites. <i>Metals</i> , 2021 , 11, 559	2.3	1
601	Engineering the Optical Emission and Robustness of Metal-Halide Layered Perovskites through Ligand Accommodation. <i>Advanced Materials</i> , 2021 , 33, e2008004	24	7
600	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
599	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
598	On Szeged-type indices of titanium oxide TiO ₂ nanotubes. <i>International Journal of Quantum Chemistry</i> , 2021 , 121, e26669	2.1	0
597	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
596	Investigating supercritical carbon dioxide power cycles and the potential of improvement of turbine leakage characteristics via a barrier gas. <i>Applied Thermal Engineering</i> , 2021 , 188, 116601	5.8	5
595	Environmental Education and Women: Voices From Pakistan. <i>SAGE Open</i> , 2021 , 11, 215824402110094	1.5	2
594	Facile synthesis of ceria-based composite oxide materials by combustion for high-performance solid oxide fuel cells. <i>Ceramics International</i> , 2021 , 47, 22035-22035	5.1	3
593	Market Premium and Macroeconomic Factors as Determinants of Industry Premium: Evidence from Emerging Economies. <i>Complexity</i> , 2021 , 2021, 1-11	1.6	1
592	Design and Energy Analysis of a Solar Desiccant Evaporative Cooling System with Built-In Daily Energy Storage. <i>Energies</i> , 2021 , 14, 2429	3.1	1
591	Amino Acid Conjugates of Aminothiazole and Aminopyridine as Potential Anticancer Agents: Synthesis, Molecular Docking and in vitro Evaluation. <i>Drug Design, Development and Therapy</i> , 2021 , 15, 1459-1476	4.4	0
590	In-vitro and in-silico antioxidant, α-glucosidase inhibitory potentials of abutilins C and D, new flavonoide glycosides from <i>Abutilon pakistanicum</i> . <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103021	5.9	2
589	Structure, Electronic, Magnetic, and Thermoelectric Properties of Highly Mg-Rich Intermetallic NdNiMg ₁₅ by Hybrid Density Functional Theory. <i>Journal of Electronic Materials</i> , 2021 , 50, 3976-3985	1.9	4

588	Background subtraction in videos using LRMF and CWM algorithm. <i>Journal of Real-Time Image Processing</i> , 2021 , 18, 1195-1206	1.9	1
587	Preparation, Pharmacokinetics, and Antitumor Potential of Miltefosine-Loaded Nanostructured Lipid Carriers. <i>International Journal of Nanomedicine</i> , 2021 , 16, 3255-3273	7.3	15
586	Sublethal effects of bistrifluron on key biological traits, macronutrients contents and vitellogenin (SeVg) expression in <i>Spodoptera exigua</i> (Hbner). <i>Pesticide Biochemistry and Physiology</i> , 2021 , 174, 104802	4.9	2
585	examination of anti-parasitic, anti-Alzheimer, insecticidal and cytotoxic potential of Wallich leaves extracts. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 3031-3036	4	10
584	Molybdenum-Induced Regulation of Antioxidant Defense-Mitigated Cadmium Stress in Aromatic Rice and Improved Crop Growth, Yield, and Quality Traits. <i>Antioxidants</i> , 2021 , 10,	7.1	5
583	Effect of phase change materials on the performance of direct vapor generation solar organic Rankine cycle system. <i>Energy</i> , 2021 , 223, 120006	7.9	2
582	Waste Animal Bones as Catalysts for Biodiesel Production; A Mini Review. <i>Catalysts</i> , 2021 , 11, 630	4	11
581	Structural and Morphological Studies of V2O5/MWCNTs and ZrO2/MWCNTs Composites as Photocatalysts. <i>Journal of Chemistry</i> , 2021 , 2021, 1-11	2.3	1
580	Energy storage performance of binder-free ruthenium-oxide nano-needles based free-standing electrode in neutral pH electrolytes. <i>Electrochimica Acta</i> , 2021 , 378, 138139	6.7	6
579	Key Electronic, Linear and Nonlinear Optical Properties of Designed Disubstituted Quinoline with Carbazole Compounds. <i>Molecules</i> , 2021 , 26,	4.8	6
578	Weight Loss during Calcination and Sintering Process of Na _{0.5} Bi _{0.5} TiO ₃ Bi _{1/2} (Mg _{2/3} Nb _{1/3})O ₃ Composite Lead-Free Piezoelectric Ceramics. <i>Coatings</i> , 2021 , 11, 676	2.9	0
577	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
576	Sharp Bounds for the Inverse Sum Indeg Index of Graph Operations. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-11	1.1	0
575	Neural Network-Based Prediction Model to Investigate the Influence of Temperature and Moisture on Vibration Characteristics of Skew Laminated Composite Sandwich Plates. <i>Materials</i> , 2021 , 14,	3.5	7
574	Characterization and sensitivity of <i>Botrytis cinerea</i> to benzimidazole and succinate dehydrogenase inhibitors fungicides, and illustration of the resistance profile. <i>Australasian Plant Pathology</i> , 2021 , 50, 589	1.4	2
573	Computation of Topological Indices of NEPS of Graphs. <i>Complexity</i> , 2021 , 2021, 1-6	1.6	3
572	ZIF-12/Fe-Cu LDH Composite as a High Performance Electrocatalyst for Water Oxidation. <i>Frontiers in Chemistry</i> , 2021 , 9, 686968	5	4
571	Effective Poly (Cyclotriphosphazene-Co-4,4'-Sulfonyldiphenol)@rGO Sheets for Tetracycline Adsorption: Fabrication, Characterization, Adsorption Kinetics and Thermodynamics. <i>Nanomaterials</i> , 2021 , 11,	5.4	2

570	Sorptive Capture and Photo-Catalytic Degradation of Methylene Blue from Aqueous Solution Using Lead-Organic Frameworks. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	1
569	Customer Knowledge Enabled Innovation: Analyzing Pricing-Promotion Coordination Mechanism. <i>Complexity</i> , 2021 , 2021, 1-11	1.6	0
568	An Efficient Synthesis, Spectroscopic Characterization, and Optical Nonlinearity Response of Novel Salicylaldehyde Thiosemicarbazone Derivatives. <i>ACS Omega</i> , 2021 , 6, 16058-16065	3.9	8
567	One-step synthesis of carbon incorporated 3D MnO ₂ nanorods as a highly efficient electrode material for pseudocapacitors. <i>Materials Letters</i> , 2021 , 295, 129838	3.3	10
566	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
565	Molybdenum supply increases root system growth of winter wheat by enhancing nitric oxide accumulation and expression of NRT genes. <i>Plant and Soil</i> , 2021 , 459, 235-248	4.2	13
564	Current trends analysis and prioritization of success factors: a systematic literature review of ICT projects. <i>International Journal of Managing Projects in Business</i> , 2021 , 14, 652-679	2.4	6
563	Difenoconazole Resistance Shift in From Tomato in China Associated With Inducible Expression of. <i>Plant Disease</i> , 2021 , 105, 400-407	1.5	4
562	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
561	Theoretical investigation of halides encapsulated Na@B40 nanocages for potential applications as anodes for sodium ion batteries. <i>Materials Science in Semiconductor Processing</i> , 2021 , 121, 105437	4.3	10
560	Exploring the effect of oligothiophene and acene cores on the optoelectronic properties and enhancing p- and n-type ability of semiconductor materials. <i>Journal of Sulfur Chemistry</i> , 2021 , 42, 180-192	3.3	4
559	An exploration of the optoelectronic nature of 4,4-difluoro-8-(C ₄ H ₃ X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems. <i>Journal of Computational Electronics</i> , 2021 , 20, 368-376	1.8	1
558	Enhanced amperometric acetone sensing using electrospun non-stoichiometric WO ₃ nanofibers. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 671-678	7.1	9
557	Mostar indices of SiO ₂ nanostructures and melem chain nanostructures. <i>International Journal of Quantum Chemistry</i> , 2021 , 121, e26520	2.1	8
556	Design, facile synthesis, spectroscopic characterization, and medicinal probing of metal-based new sulfonamide drugs: A theoretical and spectral study. <i>Applied Organometallic Chemistry</i> , 2021 , 35,	3.1	11
555	Investigation on Cadmium Ions Removal from Water by a Nanomagnetite Based Biochar Derived from Eleocharis Dulcis. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 415-423	3.2	5
554	Characterization of the viscosity of bio-oil produced by fast pyrolysis of the wheat straw. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021 , 43, 1853-1868	1.6	10
553	Synthesis of Urease Inhibitory 2, 4-bis (4-cyanobenzyl)glycoluril using Sandmeyer Reaction and Density Functional Theory Investigation. <i>Current Organic Synthesis</i> , 2021 , 18, 592-597	1.9	

552	. <i>IEEE Access</i> , 2021 , 9, 9505-9534	3.5	8
551	Halide Perovskite-Lead Chalcohalide Nanocrystal Heterostructures. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1435-1446	16.4	23
550	Electron spin dynamics in excited state photochemistry: recent development in the study of intersystem crossing and charge transfer in organic compounds. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 15835-15868	3.6	7
549	<i>Digera muricata</i> (L.) Mart. mediated synthesis of antimicrobial and enzymatic inhibitory zinc oxide bionanoparticles. <i>Green Processing and Synthesis</i> , 2021 , 10, 476-484	3.9	1
548	Homo-hetero/core-shell structure design strategy of NaYF nanocrystals for superior upconversion luminescence.. <i>RSC Advances</i> , 2021 , 11, 20746-20751	3.7	1
547	Triorganotin (IV) carboxylates as potential anticancer agents: Their synthesis, physiochemical characterization, and cytotoxic activity against HeLa and MCF-7 cancer cells. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6165	3.1	3
546	Synthesis and Biological Evaluation of Benzimidazole Derivatives as Potential Neuroprotective Agents in an Ethanol-Induced Rodent Model. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 489-505	5.7	9
545	Mycochemical Screening and Study of Medicinal Properties of Two <i>Amanita</i> Species (<i>Agaricomycetes</i>) from Pakistan. <i>International Journal of Medicinal Mushrooms</i> , 2021 , 23, 33-39	1.3	0
544	Characterization of the Field Fludioxonil Resistance and Its Molecular Basis in from Shanghai Province in China. <i>Microorganisms</i> , 2021 , 9,	4.9	7
543	Controlling the triplet states and their application in external stimuli-responsive triplet-triplet-annihilation photon upconversion: from the perspective of excited state photochemistry. <i>Chemical Society Reviews</i> , 2021 , 50, 9686-9714	58.5	16
542	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
541	Differential response of fragrant rice cultivars to salinity and hydrogen rich water in relation to growth and antioxidative defense mechanisms. <i>International Journal of Phytoremediation</i> , 2021 , 23, 1203-1211 ²	3.9	11
540	Wiener polarity index and related molecular topological descriptors of titanium oxide nanotubes. <i>International Journal of Quantum Chemistry</i> , 2021 , 121, e26627	2.1	
539	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
538	Lead (Pb)-Induced Oxidative Stress Alters the Morphological and Physio-Biochemical Properties of Rice (<i>Oryza sativa</i> L.). <i>Agronomy</i> , 2021 , 11, 409	3.6	4
537	Digital social innovation and civic participation: toward responsible and inclusive transport planning. <i>European Planning Studies</i> , 2021 , 29, 1870-1885	3.2	7
536	Qualitative assessment and global mapping of supercritical CO ₂ power cycle technology. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 43, 100978	4.7	8
535	Novel <i>Bacillus cereus</i> Strain, ALT1, Enhance Growth and Strengthens the Antioxidant System of Soybean under Cadmium Stress. <i>Agronomy</i> , 2021 , 11, 404	3.6	11

534	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
533	Understanding Thermal and A-Thermal Trapping Processes in Lead Halide Perovskites Towards Effective Radiation Detection Schemes. <i>Advanced Functional Materials</i> , 2021 , 31, 2104879	15.6	7
532	Catalytic Oxidation of Toluene into Benzaldehyde and Benzyl Alcohol Using Molybdenum-Incorporated Manganese Oxide Nanomaterials. <i>ACS Omega</i> , 2021 , 6, 19606-19615	3.9	2
531	Nitrogen sources affected the biosynthesis of 2-acetyl-1-pyrroline, cooked rice elongation and amylose content in rice. <i>PLoS ONE</i> , 2021 , 16, e0254182	3.7	1
530	Energy storage properties of hydrothermally processed ultrathin 2D binder-free ZnCoO nanosheets. <i>Nanotechnology</i> , 2021 , 32,	3.4	7
529	Switchable Anion Exchange in Polymer-Encapsulated APbX Nanocrystals Delivers Stable All-Perovskite White Emitters. <i>ACS Energy Letters</i> , 2021 , 6, 2844-2853	20.1	13
528	CdS nanorods supported copper-nickel hydroxide for hydrogen production under direct sunlight irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105670	6.8	5
527	Structural modulation of π -conjugated linkers in D- π A dyes based on triphenylamine dicyanovinylene framework to explore the NLO properties. <i>Royal Society Open Science</i> , 2021 , 8, 210570	3.3	10
526	Chromophore Orientation-Dependent Photophysical Properties of Pyrene-Naphthalimide Compact Electron Donor-Acceptor Dyads: Electron Transfer and Intersystem Crossing. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 9244-9259	3.4	3
525	Exploration of electronic properties, radical scavenging activity and QSAR of oxadiazole derivatives by molecular docking and first-principles approaches. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 7416-7421	4.7	1
524	Exogenous Melatonin mediates the regulation of endogenous nitric oxide in Glycine max L. to reduce effects of drought stress. <i>Environmental and Experimental Botany</i> , 2021 , 188, 104511	5.9	12
523	Phenolic and flavonoid contents in <i>Malva sylvestris</i> and exploration of active drugs as antioxidant and anti-COVID19 by quantum chemical and molecular docking studies. <i>Journal of Saudi Chemical Society</i> , 2021 , 25, 101277	4.3	8
522	Synthesis of porous secondary metal-doped MOFs for removal of Rhodamine B from water: Role of secondary metal on efficiency and kinetics. <i>Surfaces and Interfaces</i> , 2021 , 25, 101261	4.1	14
521	Facile synthesis of 4-aryl-N-(5-methyl-1H-pyrazol-3-yl)benzamides via Suzuki Miyaura reaction: Antibacterial activity against clinically isolated NDM-1-positive bacteria and their Docking Studies. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103270	5.9	5
520	Computational investigation of molecular structures, spectroscopic properties, cholinesterase inhibition and antibacterial activities of triazole Schiff bases endowed metal chelates. <i>Journal of Molecular Structure</i> , 2021 , 1238, 130382	3.4	16
519	Characterization of Extremal Unicyclic Graphs Using F-Coindex. <i>Complexity</i> , 2021 , 2021, 1-9	1.6	1
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