

Javed Iqbal

List of Publications by Year in descending order

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331
papers

10,077
citations

36303

51
h-index

76900

74
g-index

333
all docs

333
docs citations

333
times ranked

6746
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiesel production from waste cooking oil: An efficient technique to convert waste into biodiesel. <i>Sustainable Cities and Society</i> , 2018, 41, 220-226.	10.4	304
2	Iron, copper and silver nanoparticles: Green synthesis using green and black tea leaves extracts and evaluation of antibacterial, antifungal and aflatoxin B1 adsorption activity. <i>LWT - Food Science and Technology</i> , 2018, 90, 98-107.	5.2	179
3	Preactivated thiomers as mucoadhesive polymers for drug delivery. <i>Biomaterials</i> , 2012, 33, 1528-1535.	11.4	164
4	Microbial biomass, and dissolved organic carbon and nitrogen strongly affect soil respiration in different land uses: A case study at Three Gorges Reservoir Area, South China. <i>Agriculture, Ecosystems and Environment</i> , 2010, 137, 294-307.	5.3	163
5	How Toxic Workplace Environment Effects the Employee Engagement: The Mediating Role of Organizational Support and Employee Wellbeing. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2294.	2.6	145
6	Multistimuli-Responsive Benzothiadiazole-Cored Phenylene Vinylene Derivative with Nanoassembly Properties. <i>Langmuir</i> , 2011, 27, 6323-6329.	3.5	136
7	CO ₂ emission in a subtropical red paddy soil (Ultisol) as affected by straw and N-fertilizer applications: A case study in Southern China. <i>Agriculture, Ecosystems and Environment</i> , 2009, 131, 292-302.	5.3	132
8	Differences in soil CO ₂ flux between different land use types in mid-subtropical China. <i>Soil Biology and Biochemistry</i> , 2008, 40, 2324-2333.	8.8	120
9	Designing Three-dimensional (3D) Non-fullerene Small Molecule Acceptors with Efficient Photovoltaic Parameters. <i>ChemistrySelect</i> , 2018, 3, 12797-12804.	1.5	119
10	Designing N-phenylaniline-triazol configured donor materials with promising optoelectronic properties for high-efficiency solar cells. <i>Computational and Theoretical Chemistry</i> , 2020, 1186, 112908.	2.5	119
11	A Deep CNN Ensemble Framework for Efficient DDoS Attack Detection in Software Defined Networks. <i>IEEE Access</i> , 2020, 8, 53972-53983.	4.2	119
12	Designing triazatruxene-based donor materials with promising photovoltaic parameters for organic solar cells. <i>RSC Advances</i> , 2019, 9, 26402-26418.	3.6	115
13	Enhanced electronic and non-linear optical properties of alkali metal (Li, Na, K) doped boron nitride nano-cages. <i>Journal of Alloys and Compounds</i> , 2016, 687, 976-983.	5.5	102
14	Opto-electronic properties of non-fullerene fused-undecacyclic electron acceptors for organic solar cells. <i>Computational Materials Science</i> , 2019, 159, 150-159.	3.0	102
15	Thiolated chitosan nanoparticles for the nasal administration of leuprolide: Bioavailability and pharmacokinetic characterization. <i>International Journal of Pharmaceutics</i> , 2012, 428, 164-170.	5.2	100
16	Designing indenothiophene-based acceptor materials with efficient photovoltaic parameters for fullerene-free organic solar cells. <i>Journal of Molecular Modeling</i> , 2020, 26, 137.	1.8	97
17	Enhancement in Photovoltaic Properties of <i>N,N</i> -diethylaniline based Donor Materials by Bridging Core Modifications for Efficient Solar Cells. <i>ChemistrySelect</i> , 2020, 5, 5022-5034.	1.5	95
18	Designing of benzothiazole based non-fullerene acceptor (NFA) molecules for highly efficient organic solar cells. <i>Computational and Theoretical Chemistry</i> , 2020, 1181, 112833.	2.5	94

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19	Phosphides or nitrides for better NLO properties? A detailed comparative study of alkali metal doped nano-cages. <i>Materials Research Bulletin</i> , 2017, 92, 113-122.	5.2	92
20	Density functional theory study of palladium cluster adsorption on a graphene support. <i>RSC Advances</i> , 2020, 10, 20595-20607.	3.6	86
21	Designing indacenodithiophene based non-fullerene acceptors with a donor-acceptor combined bridge for organic solar cells. <i>RSC Advances</i> , 2019, 9, 3605-3617.	3.6	83
22	Remarkable nonlinear optical response of alkali metal doped aluminum phosphide and boron phosphide nanoclusters. <i>Journal of Molecular Liquids</i> , 2018, 271, 51-64.	4.9	80
23	Tuning the optoelectronic properties of Subphthalocyanine (SubPc) derivatives for photovoltaic applications. <i>Optical Materials</i> , 2020, 107, 110154.	3.6	79
24	Theoretical investigation of supramolecular hydrogen-bonded choline chloride-based deep eutectic solvents using density functional theory. <i>Chemical Physics Letters</i> , 2021, 769, 138427.	2.6	79
25	Understanding the DayCent model: Calibration, sensitivity, and identifiability through inverse modeling. <i>Environmental Modelling and Software</i> , 2015, 66, 110-130.	4.5	77
26	N ₂ O emissions from different land uses in mid-subtropical China. <i>Agriculture, Ecosystems and Environment</i> , 2010, 136, 40-48.	5.3	76
27	Designing alkoxy-induced based high performance near infrared sensitive small molecule acceptors for organic solar cells. <i>Journal of Molecular Liquids</i> , 2020, 305, 112829.	4.9	76
28	Synthesis and Characterization of Poly(2-hydroxyethylmethacrylate) Contact Lenses Containing Chitosan Nanoparticles as an Ocular Delivery System for Dexamethasone Sodium Phosphate. <i>Pharmaceutical Research</i> , 2016, 33, 1638-1648.	3.5	75
29	Benchmark study of the linear and nonlinear optical polarizabilities in proto-type NLO molecule of <i>p</i> -nitroaniline. <i>Journal of Theoretical and Computational Chemistry</i> , 2019, 18, 1950030.	1.8	74
30	Microcrystalline cellulose, lactose and lignin blends: Process mapping of dry granulation via roll compaction. <i>Powder Technology</i> , 2019, 341, 38-50.	4.2	73
31	Maize and soybean root front velocity and maximum depth in Iowa, USA. <i>Field Crops Research</i> , 2018, 215, 122-131.	5.1	72
32	Therapeutic potential of graphitic carbon nitride as a drug delivery system for cisplatin (anticancer) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	2.8	72
33	Fine Tuning the Optoelectronic Properties of Triphenylamine Based Donor Molecules for Organic Solar Cells. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 1127-1139.	2.8	67
34	Designing Triphenylamine-Configured Donor Materials with Promising Photovoltaic Properties for Highly Efficient Organic Solar Cells. <i>ChemistrySelect</i> , 2020, 5, 7358-7369.	1.5	67
35	Quantum Chemical Approach of Donor-Acceptor Based Arylborane-Arylamine Macrocycles with Outstanding Photovoltaic Properties Toward High-Performance Organic Solar Cells. <i>Energy & Fuels</i> , 2021, 35, 15018-15032.	5.1	66
36	Development of fullerene free acceptors molecules for organic solar cells: A step way forward toward efficient organic solar cells. <i>Computational and Theoretical Chemistry</i> , 2019, 1161, 26-38.	2.5	65

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37	Laser induced breakdown spectroscopy methods and applications: A comprehensive review. <i>Radiation Physics and Chemistry</i> , 2020, 170, 108666.	2.8	65
38	Marine bioactive peptides: Types, structures, and physiological functions. <i>Food Reviews International</i> , 2017, 33, 44-61.	8.4	64
39	Theoretical study of the non linear optical properties of alkali metal (Li, Na, K) doped aluminum nitride nanocages. <i>RSC Advances</i> , 2016, 6, 94228-94235.	3.6	62
40	Development and in vivo evaluation of an oral drug delivery system for paclitaxel. <i>Biomaterials</i> , 2011, 32, 170-175.	11.4	60
41	Tuning the optoelectronic properties of triphenylamine (TPA) based small molecules by modifying central core for photovoltaic applications. <i>Journal of Molecular Modeling</i> , 2021, 27, 237.	1.8	60
42	Fungal endophyte infection increases carbon sequestration potential of southeastern USA tall fescue stands. <i>Soil Biology and Biochemistry</i> , 2012, 44, 81-92.	8.8	59
43	End-capped modification of dithienosilole based small donor molecules for high performance organic solar cells using DFT approach. <i>Journal of Molecular Liquids</i> , 2022, 345, 118138.	4.9	59
44	Carbon dioxide emissions from Ultisol under different land uses in mid-“subtropical China. <i>Geoderma</i> , 2009, 152, 63-73.	5.1	58
45	DFT study of the therapeutic potential of phosphorene as a new drug-delivery system to treat cancer. <i>RSC Advances</i> , 2019, 9, 24325-24332.	3.6	58
46	Designing dithienothiophene (DTT)-based donor materials with efficient photovoltaic parameters for organic solar cells. <i>Journal of Molecular Modeling</i> , 2019, 25, 222.	1.8	58
47	Spirobifluorene based small molecules as an alternative to traditional fullerene acceptors for organic solar cells. <i>Materials Science in Semiconductor Processing</i> , 2019, 94, 97-106.	4.0	58
48	Tuning opto-electronic properties of alkoxy-induced based electron acceptors in infrared region for high performance organic solar cells. <i>Journal of Molecular Liquids</i> , 2020, 298, 111963.	4.9	58
49	Exploring the new potential antiviral constituents of <i>Moringa oliefera</i> for SARS-COV-2 pathogenesis: An in silico molecular docking and dynamic studies. <i>Chemical Physics Letters</i> , 2021, 767, 138379.	2.6	58
50	Environmentally compatible and highly improved hole transport materials (HTMs) based on benzotrithiophene (BTT) skeleton for perovskite as well as narrow bandgap donors for organic solar cells. <i>Solar Energy</i> , 2022, 231, 793-808.	6.1	56
51	Thiolated chitosan: Development and in vivo evaluation of an oral delivery system for leuprolide. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 95-102.	4.3	55
52	Designing of benzodithiophene acridine based Donor materials with favorable photovoltaic parameters for efficient organic solar cell. <i>Computational and Theoretical Chemistry</i> , 2021, 1200, 113238.	2.5	55
53	Structural, optical and photovoltaic properties of unfused Non-Fullerene acceptors for efficient solution processable organic solar cell (Estimated PCE>12.4%): A DFT approach. <i>Journal of Molecular Liquids</i> , 2021, 341, 117428.	4.9	55
54	Design of donor-“acceptor-“donor (D-“A-“D) type small molecule donor materials with efficient photovoltaic parameters. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25363.	2.0	54

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55	Development of stability-enhanced ternary solid dispersions via combinations of HPMCP and Soluplus® processed by hot melt extrusion. <i>International Journal of Pharmaceutics</i> , 2017, 532, 603-611.	5.2	54
56	A DFT study of structural, magnetic, elastic and optoelectronic properties of lanthanide based XAlO ₃ (X=Nd, Gd) compounds. <i>Journal of Materials Research and Technology</i> , 2020, 9, 16488-16496.	5.8	54
57	Efficient tuning of small acceptor chromophores with A1-İ€-A2-İ€-A1 configuration for high efficacy of organic solar cells via end group manipulation. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101305.	5.2	53
58	Designing dithienonaphthalene based acceptor materials with promising photovoltaic parameters for organic solar cells. <i>RSC Advances</i> , 2019, 9, 34496-34505.	3.6	52
59	A comparative study of DFT calculated and experimental UV/Visible spectra for thirty carboline and carbazole based compounds. <i>Journal of Molecular Structure</i> , 2017, 1149, 282-298.	3.6	51
60	Facile preparation, characterization, SC-XRD and DFT/DTDFT study of diversely functionalized unsymmetrical bis-aryl-İ±, İ²-unsaturated ketone derivatives. <i>Journal of Molecular Structure</i> , 2020, 1206, 127755.	3.6	51
61	DFT study of therapeutic potential of graphitic carbon nitride (g-C ₃ N ₄) as a new drug delivery system for carboplatin to treat cancer. <i>Journal of Molecular Liquids</i> , 2021, 331, 115607.	4.9	51
62	Evaluation of photoacoustic infrared spectroscopy for simultaneous measurement of <sc><sc>N</sc></sc>₂<sc><sc>O</sc></sc> and <sc><sc>CO</sc></sc>₂</sc> gas concentrations and fluxes at the soil surface. <i>Global Change Biology</i> , 2013, 19, 327-336.	9.5	50
63	Surface modification of M2 steel by combination of cathodic cage plasma deposition and magnetron sputtered MoS ₂ -TiN multilayer coatings. <i>Surface and Coatings Technology</i> , 2020, 384, 125327.	4.8	50
64	Designing of benzodithiophene (BDT) based non-fullerene small molecules with favorable optoelectronic properties for proficient organic solar cells. <i>Computational and Theoretical Chemistry</i> , 2021, 1203, 113359.	2.5	49
65	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.	3.5	49
66	Designing benzothiadiazole based non-fullerene acceptors with high open circuit voltage and higher LUMO level to increase the efficiency of organic solar cells. <i>Optik</i> , 2021, 228, 166138.	2.9	48
67	Therapeutic potential of graphyne as a new drug-delivery system for daunorubicin to treat cancer: A DFT study. <i>Journal of Molecular Liquids</i> , 2021, 336, 116327.	4.9	48
68	Synergistic engineering of end-capped acceptor and bridge on arylborane-arylamine macrocycles to boost the photovoltaic properties of organic solar cells. <i>Optical Materials</i> , 2022, 123, 111907.	3.6	48
69	Failure Mechanism and Stability Analysis of an Active Landslide in the Xiangjiaba Reservoir Area, Southwest China. <i>Journal of Earth Science (Wuhan, China)</i> , 2018, 29, 646-661.	3.2	47
70	Designing of non-fullerene 3D star-shaped acceptors for organic solar cells. <i>Journal of Molecular Modeling</i> , 2019, 25, 129.	1.8	47
71	Enhanced linear and nonlinear optical response of superhalogen (Al ₇) doped graphitic carbon nitride (g-C ₃ N ₄). <i>Optik</i> , 2021, 226, 165923.	2.9	46
72	Phase transition and thermoelectric properties of cubic KNbO ₃ under pressure: DFT approach. <i>Journal of Materials Research and Technology</i> , 2021, 11, 2106-2113.	5.8	46

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73	End-capped group modification on cyclopentadithiophene based non-fullerene small molecule acceptors for efficient organic solar cells; a DFT approach. <i>Journal of Molecular Graphics and Modelling</i> , 2022, 113, 108162.	2.4	46
74	Tuning the optoelectronic properties of indacenodithiophene based derivatives for efficient photovoltaic applications: A DFT approach. <i>Chemical Physics Letters</i> , 2022, 793, 139459.	2.6	44
75	Design and in vitro evaluation of a novel polymeric P-glycoprotein (P-gp) inhibitor. <i>Journal of Controlled Release</i> , 2010, 147, 62-69.	9.9	43
76	Incidence of aflatoxins contamination in dry fruits and edible nuts collected from Pakistan. <i>Food Control</i> , 2017, 78, 169-175.	5.5	43
77	Designing of small molecule non-fullerene acceptors with cyanobenzene core for photovoltaic application. <i>Computational and Theoretical Chemistry</i> , 2021, 1197, 113154.	2.5	43
78	Molecular engineering strategy of naphthalimide based small donor molecules for high-performance organic solar cells. <i>Computational and Theoretical Chemistry</i> , 2021, 1204, 113416.	2.5	43
79	Amplifying the photovoltaic properties of azaBODIPY core based small molecules by terminal acceptors modification for high performance organic solar cells: A DFT approach. <i>Solar Energy</i> , 2022, 233, 31-45.	6.1	43
80	Bithieno Thiophene-Based Small Molecules for Application as Donor Materials for Organic Solar Cells and Hole Transport Materials for Perovskite Solar Cells. <i>ACS Omega</i> , 2022, 7, 844-862.	3.5	43
81	Theoretical Calculations of the Optical and Electronic Properties of Dithienosilole and Dithiophene-Based Donor Materials for Organic Solar Cells. <i>ChemistrySelect</i> , 2018, 3, 1593-1601.	1.5	42
82	The substitution effect of heterocyclic rings to tune the optical and nonlinear optical properties of hybrid chalcones: A comparative study. <i>Journal of Molecular Graphics and Modelling</i> , 2018, 81, 25-31.	2.4	42
83	Thermal degradation behavior and X-ray diffraction studies of chitosan based polyurethane bio-nanocomposites using different diisocyanates. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 762-772.	7.5	42
84	Silver clusters tune up electronic properties of graphene nanoflakes: A comprehensive theoretical study. <i>Journal of Molecular Liquids</i> , 2020, 297, 111902.	4.9	42
85	Differences in nitrous oxide fluxes from red soil under different land uses in mid-subtropical China. <i>Agriculture, Ecosystems and Environment</i> , 2012, 146, 168-178.	5.3	41
86	In vivo evaluation of an oral drug delivery system for peptides based on S-protected thiolated chitosan. <i>Journal of Controlled Release</i> , 2012, 160, 477-485.	9.9	41
87	Tuning the optoelectronic properties of dibenzochrysenes (DBC) based small molecules for organic solar cells. <i>Materials Science in Semiconductor Processing</i> , 2021, 127, 105689.	4.0	41
88	Extreme weather year sequences have nonadditive effects on environmental nitrogen losses. <i>Global Change Biology</i> , 2018, 24, e303-e317.	9.5	40
89	The Effect of Emotional Intelligence and Academic Social Networking Sites on Academic Performance During the COVID-19 Pandemic. <i>Psychology Research and Behavior Management</i> , 2021, Volume 14, 905-920.	2.8	40
90	End-capped engineering of bipolar diketopyrrolopyrrole based small electron acceptor molecules for high performance organic solar cells. <i>Computational and Theoretical Chemistry</i> , 2021, 1201, 113242.	2.5	40

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91	Preactivated thiomers: Permeation enhancing properties. International Journal of Pharmaceutics, 2012, 438, 217-224.	5.2	39
92	Nitrous Oxide Emissions from Yellow Brown Soil as Affected by Incorporation of Crop Residues With Different Carbon-to-Nitrogen Ratios: A Case Study in Central China. Archives of Environmental Contamination and Toxicology, 2013, 65, 183-192.	4.1	39
93	Effects of laser wavelengths and pulse energy ratio on the emission enhancement in dual pulse LIBS. Laser Physics Letters, 2015, 12, 066102.	1.4	39
94	DFT study of superhalogen and superalkali doped graphitic carbon nitride and its non-linear optical properties. RSC Advances, 2021, 11, 7779-7789.	3.6	39
95	Tuning the optoelectronic properties of scaffolds by using variable central core unit and their photovoltaic applications. Chemical Physics Letters, 2021, 782, 139018.	2.6	39
96	Theoretical investigation of X ₂ NaIO ₆ (X= Pb,Sr) double perovskites for thermoelectric and optoelectronic applications. Physica B: Condensed Matter, 2022, 630, 413694.	2.7	39
97	Designing 2D fused ring materials for small molecules organic solar cells. Computational and Theoretical Chemistry, 2020, 1183, 112848.	2.5	38
98	Isatin-derived non-fullerene acceptors for efficient organic solar cells. Materials Science in Semiconductor Processing, 2021, 121, 105345.	4.0	38
99	Enhanced wear and corrosion resistance of AISI-304 steel by duplex cathodic cage plasma treatment. Surface and Coatings Technology, 2019, 375, 34-45.	4.8	37
100	Structural, electronic, half metallic ferromagnetic and optical properties of cubic MAIO ₃ (M=Ce, Pr) perovskites: A DFT study. Journal of Physics and Chemistry of Solids, 2021, 154, 110084.	4.0	37
101	Investigating the nexus between critical success factors, despotic leadership, and success of renewable energy projects. Environmental Science and Pollution Research, 2022, 29, 10388-10398.	5.3	37
102	Designing of the indacenodithiophene core-based small molecules for optoelectronic applications: A DFT approach. Solar Energy, 2022, 237, 108-121.	6.1	37
103	Impact of end-capped modification of MO-IDT based non-fullerene small molecule acceptors to improve the photovoltaic properties of organic solar cells. Journal of Molecular Graphics and Modelling, 2022, 116, 108255.	2.4	37
104	Fungal endophyte presence and genotype affect plant diversity and soil-to-atmosphere trace gas fluxes. Plant and Soil, 2013, 364, 15-27.	3.7	36
105	Denitrification and Nitrous Oxide Emissions in Annual Croplands, Perennial Grass Buffers, and Restored Perennial Grasslands. Soil Science Society of America Journal, 2015, 79, 239-250.	2.2	35
106	On the use of laser induced breakdown spectroscopy to characterize the naturally existing crystal in Pakistan and its optical emission spectrum. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 111, 80-86.	2.9	35
107	DFT study of superhalogen (AlF ₄) doped boron nitride for tuning their nonlinear optical properties. Optik, 2021, 231, 166464.	2.9	35
108	Thiolated chitosans: influence of various sulfhydryl ligands on permeation-enhancing and P-gp inhibitory properties. Drug Development and Industrial Pharmacy, 2011, 37, 648-655.	2.0	34

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109	Tuning the optoelectronic properties of benzodithiophene based donor materials and their photovoltaic applications. <i>Materials Science in Semiconductor Processing</i> , 2022, 137, 106150.	4.0	34
110	G-C3N4/Ag@CoWO4: A novel sunlight active ternary nanocomposite for potential photocatalytic degradation of rhodamine B dye. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 161, 110437.	4.0	34
111	Dopant Free Triphenylamine-Based Hole Transport Materials with Excellent Photovoltaic Properties for High-Performance Perovskite Solar Cells. <i>Energy Technology</i> , 2022, 10, 2100838.	3.8	34
112	Exploring the optoelectronic and third-order nonlinear optical susceptibility of cross-shaped molecules: insights from molecule to material level. <i>Journal of Molecular Modeling</i> , 2021, 27, 12.	1.8	33
113	O-4-Acetylamino-benzenesulfonylated pyrimidine derivatives: synthesis, SC-XRD, DFT analysis and electronic behaviour investigation. <i>Journal of Molecular Structure</i> , 2021, 1224, 129308.	3.6	32
114	Synthesis and characterization of stable and biological active chitin-based polyurethane elastomers. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 1149-1157.	7.5	31
115	Designing and theoretical study of fluorinated small molecule donor materials for organic solar cells. <i>Journal of Molecular Modeling</i> , 2021, 27, 216.	1.8	31
116	Investigation of the adsorption properties of gemcitabine anticancer drug with metal-doped boron nitride fullerenes as a drug-delivery carrier: a DFT study. <i>RSC Advances</i> , 2022, 12, 2873-2887.	3.6	31
117	End-capped modification of Y-Shaped dithienothiophen[3,2-b]-pyrrolobenzothiadiazole (TPBT) based non-fullerene acceptors for high performance organic solar cells by using DFT approach. <i>Surfaces and Interfaces</i> , 2022, 30, 101875.	3.0	31
118	Theoretical and computational study on electronic effect caused by electron withdrawing/electron-donating groups upon the coumarin thiourea derivatives. <i>Computational and Theoretical Chemistry</i> , 2021, 1201, 113271.	2.5	29
119	Silver cluster doped graphyne (GY) with outstanding non-linear optical properties. <i>RSC Advances</i> , 2022, 12, 5466-5482.	3.6	29
120	DFT study of transition metals doped calix-4-pyrrole with excellent electronic and non-linear optical properties. <i>Computational and Theoretical Chemistry</i> , 2022, 1214, 113767.	2.5	29
121	Aflatoxins contamination and prevention in red chillies (<i>Capsicum annum L.</i>) in Pakistan. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2014, 7, 1-6.	2.8	28
122	Designing indaceno thiophene-based three new molecules containing non-fullerene acceptors as strong electron withdrawing groups with DFT approaches. <i>Journal of Molecular Modeling</i> , 2019, 25, 311.	1.8	28
123	Facile synthesis, crystal growth, characterization and computational study of new pyridine-based halogenated hydrazones: Unveiling the stabilization behavior in terms of noncovalent interactions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5399.	3.5	28
124	DFT study of superhalogen-doped borophene with enhanced nonlinear optical properties. <i>Journal of Molecular Modeling</i> , 2021, 27, 188.	1.8	28
125	Adaptive neuro-fuzzy prediction of grasping object weight for passively compliant gripper. <i>Applied Soft Computing Journal</i> , 2014, 22, 424-431.	7.2	27
126	Survey of four models of probability density functions of wind speed and directions by adaptive neuro-fuzzy methodology. <i>Advances in Engineering Software</i> , 2014, 76, 148-153.	3.8	27

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127	Development and validation of a high-performance liquid chromatography method with post-column derivatization for the detection of aflatoxins in cereals and grains. <i>Toxicology and Industrial Health</i> , 2016, 32, 1122-1134.	1.4	27
128	Advanced Ag/rGO/TiO ₂ ternary nanocomposite based photoanode approaches to highly-efficient plasmonic dye-sensitized solar cells. <i>Optics Communications</i> , 2019, 453, 124408.	2.1	27
129	Does Nitrogen Fertilizer Application Rate to Corn Affect Nitrous Oxide Emissions from the Rotated Soybean Crop?. <i>Journal of Environmental Quality</i> , 2015, 44, 711-719.	2.0	26
130	Molecular designing of four high performance pyrazine-based non-fullerene acceptor materials with naphthalene diimide-based small organic solar cells. <i>Journal of Molecular Modeling</i> , 2019, 25, 50.	1.8	26
131	Theoretical calculation of selenium N-heterocyclic carbene compounds through DFT studies: Synthesis, characterization and biological potential. <i>Journal of Molecular Structure</i> , 2020, 1204, 127462.	3.6	26
132	Designing benzothiadiazole based highly efficient non-fullerene acceptor molecules for organic solar cells. <i>Polymer</i> , 2022, 238, 124405.	3.8	26
133	A Theoretical Perspective on Strategies for Modeling High Performance Nonlinear Optical Materials. <i>Frontiers in Materials</i> , 2021, 8, .	2.4	26
134	Simultaneously enhanced efficiency of eco-friendly structural characterization of the dithienocyclopentacarbazole donor based acceptors with narrow bandgap for high-performance organic solar cells. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 235501.	2.8	26
135	Quantum chemical study of end-capped acceptor and bridge on triphenyl diamine based molecules to enhance the optoelectronic properties of organic solar cells. <i>Polymer</i> , 2022, 245, 124675.	3.8	26
136	Efficient MRI labeling of endothelial progenitor cells: Design of thiolated surface stabilized superparamagnetic iron oxide nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 346-355.	4.3	25
137	Mechanistic modelling of industrial-scale roller compactor â€œFreund TF-MINI modelâ€™. <i>Computers and Chemical Engineering</i> , 2017, 104, 141-150.	3.8	25
138	Benchmark study of benzamide derivatives and four novel theoretically designed (L1, L2, L3, and L4) ligands and evaluation of their biological properties by DFT approaches. <i>Journal of Molecular Modeling</i> , 2019, 25, 223.	1.8	25
139	Pressure induced electronic, optical and thermoelectric properties of cubic SrZrO ₃ : DFT investigation. <i>Physica B: Condensed Matter</i> , 2021, 612, 412626.	2.7	25
140	Tuning the optoelectronic properties of oligothieryl silane derivatives and their photovoltaic properties. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 106, 107918.	2.4	25
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