

Tariq Mahmood

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196
papers

2,991
citations

29
h-index

43
g-index

213
ext. papers

3,893
ext. citations

3.3
avg, IF

6.1
L-index

#	Paper	IF	Citations
196	Tubular graphitic-C3N4: a prospective material for energy storage and green photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13949	13	211
195	Spherical fuzzy sets and their applications in multi-attribute decision making problems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 2829-2844	1.6	137
194	Bifunctional catalysts of Co3O4@GCN tubular nanostructured (TNS) hybrids for oxygen and hydrogen evolution reactions. <i>Nano Research</i> , 2015 , 8, 3725-3736	10	86
193	Highly selective acridinium based cyanine dyes for the detection of DNA base pairs (adenine, cytosine, guanine and thymine). <i>Computational and Theoretical Chemistry</i> , 2019 , 1163, 112509	2	63
192	Synthesis, crystal structures and spectroscopic properties of triazine-based hydrazone derivatives; a comparative experimental-theoretical study. <i>Molecules</i> , 2015 , 20, 5851-74	4.8	60
191	Superalkalis as a source of diffuse excess electrons in newly designed inorganic electrides with remarkable nonlinear response and deep ultraviolet transparency: A DFT study. <i>Applied Surface Science</i> , 2019 , 483, 1118-1128	6.7	56
190	Cyclic versus straight chain oligofuran as sensor: A detailed DFT study. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 97, 107569	2.8	52
189	Synthesis, crystal structure, spectroscopic and density functional theory (DFT) study of N-[3-anthracen-9-yl-1-(4-bromo-phenyl)-allylidene]-N-benzenesulfonohydrazine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 142, 364-74	4.4	51
188	Design, synthesis and bioevaluation of tricyclic fused ring system as dual binding site acetylcholinesterase inhibitors. <i>Bioorganic Chemistry</i> , 2019 , 83, 336-347	5.1	50
187	Theoretical study on a boron phosphide nanocage doped with superalkalis: novel electrides having significant nonlinear optical response. <i>New Journal of Chemistry</i> , 2019 , 43, 5727-5736	3.6	46
186	Silver-graphene quantum dots based electrochemical sensor for trinitrotoluene and p-nitrophenol. <i>Journal of Molecular Liquids</i> , 2020 , 306, 112878	6	46
185	High sensitivity of polypyrrole sensor for uric acid over urea, acetamide and sulfonamide: A density functional theory study. <i>Synthetic Metals</i> , 2018 , 235, 49-60	3.6	45
184	Electronic, elastic, optical properties of rutile TiO2 under pressure: A DFT study. <i>Physica B: Condensed Matter</i> , 2012 , 407, 958-965	2.8	43
183	Synthesis and spectroscopic and DNA-binding properties of fluorogenic acridine-containing cyanine dyes. <i>Journal of Organic Chemistry</i> , 2010 , 75, 204-7	4.2	42
182	Exceptionally high NLO response and deep ultraviolet transparency of superalkali doped macrocyclic oligofuran rings. <i>New Journal of Chemistry</i> , 2020 , 44, 2609-2618	3.6	41
181	An accurate cost effective DFT approach to study the sensing behaviour of polypyrrole towards nitrate ions in gas and aqueous phases. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19236-47	3.6	40
180	Design of novel superalkali doped silicon carbide nanocages with giant nonlinear optical response. <i>Optics and Laser Technology</i> , 2020 , 122, 105855	4.2	40

179	Theoretical study on novel superalkali doped graphdiyne complexes: Unique approach for the enhancement of electronic and nonlinear optical response. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 97, 107573	2.8	39
178	Theoretical study on design of novel superalkalis doped graphdiyne: A new donor-acceptor (D-EA) strategy for enhancing NLO response. <i>Applied Surface Science</i> , 2019 , 492, 255-263	6.7	39
177	Pharmacological importance of an ethnobotanical plant: Capsicum annum L. <i>Natural Product Research</i> , 2014 , 28, 1267-74	2.3	39
176	A comprehensive DFT study on the sensing abilities of cyclic oligothiophenes (nCTs). <i>New Journal of Chemistry</i> , 2019 , 43, 14120-14133	3.6	36
175	Synthesis of 2-acylated and sulfonated 4-hydroxycoumarins: In vitro urease inhibition and molecular docking studies. <i>Bioorganic Chemistry</i> , 2016 , 66, 111-6	5.1	35
174	Facile synthesis of novel Nb ₃ O ₇ F nanoflowers, their optical and photocatalytic properties. <i>CrystEngComm</i> , 2013 , 15, 8146	3.3	34
173	Synthesis of highly pure single crystalline SnSe nanostructures by thermal evaporation and condensation route. <i>Materials Chemistry and Physics</i> , 2012 , 137, 565-570	4.4	34
172	Click one pot synthesis, spectral analyses, crystal structures, DFT studies and brine shrimp cytotoxicity assay of two newly synthesized 1,4,5-trisubstituted 1,2,3-triazoles. <i>Journal of Molecular Structure</i> , 2016 , 1106, 430-439	3.4	33
171	Effect of electrodeposition and annealing of ZnO on optical and photovoltaic properties of the p-Cu ₂ O/n-ZnO solar cells. <i>Electrochimica Acta</i> , 2011 , 56, 8342-8346	6.7	32
170	An accurate comparative theoretical study of the interaction of furan, pyrrole, and thiophene with various gaseous analytes. <i>Journal of Molecular Modeling</i> , 2017 , 23, 295	2	31
169	Doping superalkali on Zn ₁₂ O ₁₂ nanocage constitutes a superior approach to fabricate stable and high-performance nonlinear optical materials. <i>Optics and Laser Technology</i> , 2019 , 120, 105753	4.2	30
168	High selectivity of cyclic tetrapyrrole over tetrahydrofuran and tetrathiofuran toward toxic chemicals; A first-principles study. <i>Microporous and Mesoporous Materials</i> , 2020 , 299, 110126	5.3	29
167	Interfacial film stabilized W/O/W nano multiple emulsions loaded with green tea and lotus extracts: systematic characterization of physicochemical properties and shelf-storage stability. <i>Journal of Nanobiotechnology</i> , 2014 , 12, 20	9.4	29
166	Fabrication and photovoltaic characteristics of Cu ₂ O/TiO ₂ thin film heterojunction solar cell. <i>Thin Solid Films</i> , 2012 , 522, 430-434	2.2	29
165	Synthesis, structural studies and biological activities of three new 2-(pentadecylthio)-5-aryl-1,3,4-oxadiazoles. <i>Journal of Molecular Structure</i> , 2017 , 1129, 50-59	3.4	26
164	New Perspectives on the Efficacy of Gallic Acid in Cosmetics & Nanocosmeceuticals. <i>Current Pharmaceutical Design</i> , 2018 , 24, 5181-5187	3.3	25
163	Comparative investigation of sensor application of polypyrrole for gaseous analytes. <i>Journal of Physical Organic Chemistry</i> , 2019 , 32, e3960	2.1	24
162	Synthesis, crystal structures, computational studies and antimicrobial activity of new designed bis((5-aryl-1,3,4-oxadiazol-2-yl)thio)alkanes. <i>Journal of Molecular Structure</i> , 2018 , 1155, 403-413	3.4	24

161	Alkaline earth metal decorated phosphide nanoclusters for potential applications as high performance NLO materials; A first principle study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 118, 113906	3	23
160	Outstanding NLO response of thermodynamically stable single and multiple alkaline earth metals doped C20 fullerene. <i>Journal of Molecular Liquids</i> , 2020 , 305, 112875	6	22
159	Fabrication of novel SnO2 nanofibers bundle and their optical properties. <i>Materials Chemistry and Physics</i> , 2012 , 136, 10-14	4.4	22
158	Synthesis, structural properties, DFT studies, antimicrobial activities and DNA binding interactions of two newly synthesized organotin(IV) carboxylates. <i>Journal of Molecular Structure</i> , 2019 , 1191, 291-300	3.4	21
157	Combined topical application of lotus and green tea improves facial skin surface parameters. <i>Rejuvenation Research</i> , 2013 , 16, 91-7	2.6	21
156	Significant nonlinear optical response of alkaline earth metals doped beryllium and magnesium oxide nanocages. <i>Materials Chemistry and Physics</i> , 2020 , 242, 122507	4.4	21
155	Silymarin-laden PVP-PEG polymeric composite for enhanced aqueous solubility and dissolution rate: Preparation and in vitro characterization. <i>Journal of Pharmaceutical Analysis</i> , 2019 , 9, 34-39	14	21
154	Copper-doped Al12N12 nano-cages: potential candidates for nonlinear optical materials. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	21
153	Sensor applications of polypyrrole for oxynitrogen analytes: a DFT study. <i>Journal of Molecular Modeling</i> , 2018 , 24, 308	2	21
152	Synthesis, molecular structure, quantum mechanical studies and urease inhibition assay of two new isatin derived sulfonylhydrazides. <i>Journal of Molecular Structure</i> , 2017 , 1133, 80-89	3.4	20
151	An efficient and improved scheme for handwritten digit recognition based on convolutional neural network. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	20
150	Spectroscopic and density functional theory studies of 7-hydroxy-3'-methoxyisoflavone: A new isoflavone from the seeds of Indigofera heterantha (Wall). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 148, 375-81	4.4	20
149	Synthesis, characterization, photoluminescence and field emission properties of novel durian-like gallium nitride microstructures. <i>Materials Chemistry and Physics</i> , 2012 , 133, 793-798	4.4	20
148	Visible light photocatalytic degradation of crystal violet dye and electrochemical detection of ascorbic acid & glucose using BaWO4 nanorods. <i>Materials Research Bulletin</i> , 2018 , 104, 38-43	5.1	19
147	Thiobiuret based Ni(II) and Co(III) complexes: Synthesis, molecular structures and DFT studies. <i>Journal of Molecular Structure</i> , 2017 , 1148, 388-396	3.4	19
146	A Brief Survey on Breast Cancer Diagnostic With Deep Learning Schemes Using Multi-Image Modalities. <i>IEEE Access</i> , 2020 , 8, 165779-165809	3.5	19
145	Influence of polymer ratio and surfactants on controlled drug release from cellulosic microsponges. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 963-970	7.9	19
144	Remarkable second and third order nonlinear optical properties of organometallic C6Li6M3O electriles. <i>New Journal of Chemistry</i> , 2020 , 44, 9822-9829	3.6	18

143	Efficient Synthesis of Novel Pyridine-Based Derivatives via Suzuki Cross-Coupling Reaction of Commercially Available 5-Bromo-2-methylpyridin-3-amine: Quantum Mechanical Investigations and Biological Activities. <i>Molecules</i> , 2017 , 22,	4.8	18
142	Synthesis, Density Functional Theory (DFT), Urease Inhibition and Antimicrobial Activities of 5-Aryl Thiophenes Bearing Sulphonylacetamide Moieties. <i>Molecules</i> , 2015 , 20, 19914-28	4.8	18
141	Copper complexes of bioactive ligands with superoxide dismutase activity. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013 , 13, 1944-56	3.2	18
140	One Pot Selective Arylation of 2-Bromo-5-Chloro Thiophene; Molecular Structure Investigation via Density Functional Theory (DFT), X-ray Analysis, and Their Biological Activities. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	18
139	Isolation, spectroscopic and density functional theory studies of 7-(4-methoxyphenyl)-9H-furo[2,3-f]chromen-9-one: a new flavonoid from the bark of <i>Millettia ovalifolia</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 146, 24-32	4.4	17
138	Palladium(0) catalyzed Suzuki cross-coupling reaction of 2,5-dibromo-3-methylthiophene: selectivity, characterization, DFT studies and their biological evaluations. <i>Chemistry Central Journal</i> , 2018 , 12, 49		17
137	Superhalogen doping: a new and effective approach to design materials with excellent static and dynamic NLO responses. <i>New Journal of Chemistry</i> , 2020 , 44, 16358-16369	3.6	17
136	DFT study of acceleration of electrocyclization in photochromes under radical cationic conditions: Comparison with recent experimental data. <i>Tetrahedron</i> , 2017 , 73, 3521-3528	2.4	16
135	Selective binding of L-glutamate derivative in aqueous solvents. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 2340-5	3.9	16
134	Synthesis, crystal structures, computational studies and α -amylase inhibition of three novel 1,3,4-oxadiazole derivatives. <i>Journal of Molecular Structure</i> , 2020 , 1200, 127085	3.4	16
133	Remarkable static and dynamic NLO response of alkali and superalkali doped macrocyclic [hexa-]thiophene complexes; a DFT approach.. <i>RSC Advances</i> , 2021 , 11, 4118-4128	3.7	16
132	Extended Version of Linguistic Picture Fuzzy TOPSIS Method and Its Applications in Enterprise Resource Planning Systems. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-8	1.1	15
131	Design, synthesis and anti-bacterial studies of piperazine derivatives against drug resistant bacteria. <i>European Journal of Medicinal Chemistry</i> , 2019 , 166, 224-231	6.8	15
130	Synthesis, characterization and density functional theory study of some new 2-anilinothiazoles. <i>Journal of Molecular Structure</i> , 2014 , 1072, 221-227	3.4	15
129	Stability of a cosmetic multiple emulsion loaded with green tea extract. <i>Scientific World Journal, The</i> , 2013 , 2013, 153695	2.2	15
128	Large-scale synthesis of highly pure Cd metal hexagonal nanosheets. <i>Materials Letters</i> , 2011 , 65, 1896-1899	3.9	15
127	Two-in-one: a pH-sensitive, acridine-based, fluorescent probe binds G-quadruplexes in oncogene promoters. <i>MedChemComm</i> , 2013 , 4, 211-215	5	14
126	Electronic, elastic, acoustic and optical properties of cubic TiO ₂ : A DFT approach. <i>Physica B: Condensed Matter</i> , 2013 , 420, 74-80	2.8	14

125	Scorpion Venom Peptides as a Potential Source for Human Drug Candidates. <i>Protein and Peptide Letters</i> , 2018 , 25, 702-708	1.9	14
124	Sentiment analysis on IMDB using lexicon and neural networks. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	14
123	Hybrid vector similarity measures based on complex hesitant fuzzy sets and their applications to pattern recognition and medical diagnosis. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 625-646	1.6	14
122	Role of dispersion corrected hybrid GGA class in accurately calculating the bond dissociation energy of carbon halogen bond: A benchmark study. <i>Journal of Molecular Structure</i> , 2017 , 1150, 447-458	3.4	13
121	Design of novel inorganic alkaline earth metal doped aluminum nitride complexes (AEM@Al ₁₂ N ₁₂) with high chemical stability, improved electronic properties and large nonlinear optical response. <i>Optik</i> , 2020 , 207, 163792	2.5	13
120	Effective adsorption of A-series chemical warfare agents on graphdiyne nanoflake: a DFT study. <i>Journal of Molecular Modeling</i> , 2021 , 27, 117	2	13
119	Carbonic anhydrase inhibition of Schiff base derivative of imino-methyl-naphthalen-2-ol: Synthesis, structure elucidation, molecular docking, dynamic simulation and density functional theory calculations. <i>Journal of Molecular Structure</i> , 2018 , 1156, 193-200	3.4	13
118	One-pot synthesis of tetrazole-1,2,5,6-tetrahydronicotinonitriles and cholinesterase inhibition: Probing the plausible reaction mechanism via computational studies. <i>Bioorganic Chemistry</i> , 2016 , 65, 38-47	5.1	12
117	Fabrication, physicochemical characterization and preliminary efficacy evaluation of a W/O/W multiple emulsion loaded with 5% green tea extract. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2013 , 49, 341-349	1.8	12
116	Surface functionalization of twisted graphene CH and CH derivatives with alkalis and superalkalis for NLO response; a DFT study. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 102, 107794	2.8	12
115	Benchmark DFT studies on C-CN homolytic cleavage and screening the substitution effect on bond dissociation energy. <i>Journal of Molecular Modeling</i> , 2019 , 25, 47	2	11
114	Halides encapsulation in aluminum/boron phosphide nanoclusters: An effective strategy for high cell voltage in Na-ion battery. <i>Materials Science in Semiconductor Processing</i> , 2019 , 97, 71-79	4.3	11
113	First-principles calculation of electronic and optical properties of graphene like ZnO (G-ZnO). <i>Superlattices and Microstructures</i> , 2016 , 90, 165-169	2.8	11
112	Quantum mechanical investigation on acceleration of electrocyclic reactions through transition metal catalysis. <i>Journal of Organometallic Chemistry</i> , 2016 , 808, 78-86	2.3	11
111	Synthesis, quantum chemical, <i>in vitro</i> acetyl cholinesterase inhibition and molecular docking studies of four new coumarin based pyrazolythiazole nuclei. <i>Journal of Molecular Structure</i> , 2018 , 1168, 175-186	3.4	11
110	Synthesis of novel metal complexes of 2-((phenyl (2-(4-sulfophenyl) hydrazono) methyl) diazenyl) benzoic acid formazan dyes: Characterization, antimicrobial and optical properties studies on leather. <i>Journal of Molecular Structure</i> , 2019 , 1175, 73-89	3.4	11
109	Elastic, electronic and optical properties of cotunnite TiO ₂ from first principles calculations. <i>Physica B: Condensed Matter</i> , 2012 , 407, 4495-4501	2.8	11
108	Impact of Magnetic Field and Second-Order Slip Flow of Casson Liquid with Heat Transfer Subject to Suction/Injection and Convective Boundary Condition. <i>Journal of Magnetism</i> , 2019 , 24, 81-89	1.9	11

107	Impact of processing methods on the dissolution of artemether from two non-ordered mesoporous silicas. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 112, 139-145	5.1	11
106	Synthesis and structural properties of 2-((10-alkyl-10H-phenothiazin-3-yl)methylene)malononitrile derivatives; a combined experimental and theoretical insight. <i>Chemistry Central Journal</i> , 2016 , 10, 13		10
105	Facile synthesis of N- (4-bromophenyl)-1- (3-bromothiophen-2-yl)methanimine derivatives via Suzuki cross-coupling reaction: their characterization and DFT studies. <i>Chemistry Central Journal</i> , 2018 , 12, 84		10
104	Elastic, electronic and optical properties of anatase TiO ₂ under pressure: A DFT approach. <i>Chinese Journal of Physics</i> , 2017 , 55, 1252-1263	3.5	10
103	Effect of magnesium on structural and optical properties of CaTiO ₃ : A DFT study. <i>Physica B: Condensed Matter</i> , 2019 , 568, 88-91	2.8	10
102	Numerical treatment for Darcy-Borchheimer flow of nanofluid due to a rotating disk with slip effects. <i>Canadian Journal of Physics</i> , 2019 , 97, 856-863	1.1	10
101	Sensing of toxic Lewisite (L1, L2, and L3) molecules by graphdiyne nanoflake using density functional theory calculations and quantum theory of atoms in molecule analysis. <i>Journal of Physical Organic Chemistry</i> , 2021 , 34, e4181	2.1	10
100	Pressure based first-principles study of the electronic, elastic, optic and phonon properties of zincblende InN. <i>Physica B: Condensed Matter</i> , 2013 , 430, 67-73	2.8	9
99	Closing the ring to bring up the light: synthesis of a hexacyclic acridinium cyanine dye. <i>Chemistry - A European Journal</i> , 2012 , 18, 12349-56	4.8	9
98	Preparation of highly pure CdSe hollow structures: Their PL and hydrogen absorption properties. <i>Materials Letters</i> , 2013 , 92, 263-266	3.3	9
97	Structural, elastic constant, and vibrational properties of wurtzite gallium nitride: a first-principles approach. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 14502-9	2.8	9
96	Structural, spectroscopic and nonlinear optical properties of sulfonamide derivatives; experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2020 , 1202, 127393	3.4	9
95	Dexibuprofen amide derivatives as potential anticancer agents: synthesis, in silico docking, bioevaluation, and molecular dynamic simulation. <i>Drug Design, Development and Therapy</i> , 2019 , 13, 1643-1657	4.4	8
94	Pythagorean cubic fuzzy aggregation information based on confidence levels and its application to multi-criteria decision making process. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 5669-5683	1.6	8
93	Fabrication and in vitro characterization of fenofibric acid-loaded hyaluronic acid/polyethylene glycol polymeric composites with enhanced drug solubility and dissolution rate. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019 , 68, 510-515	3	8
92	Metal-catalyzed synthesis of ultralong tin dioxide nanobelts: Electrical and optical properties with oxygen vacancy-related orange emission. <i>Materials Science in Semiconductor Processing</i> , 2014 , 26, 388-394	4.3	8
91	Formulation and stability of topical water in oil emulsion containing corn silk extract. <i>Tropical Journal of Pharmaceutical Research</i> , 2016 , 15, 1115	0.8	8
90	Natural and semisynthetic polymers blended orodispersible films of citalopram. <i>Natural Product Research</i> , 2020 , 34, 16-25	2.3	8

- 89 Pressure induced electronic and optical properties of rutile SnO₂ by first principle calculations. *Superlattices and Microstructures*, **2016**, 90, 236-241 2.8 7
- 88 Cobalt Phosphide Ultrathin and Freestanding Sheets Prepared through Microwave Chemical Vapor Deposition: A Highly Efficient Oxygen Evolution Reaction Catalyst. *ChemElectroChem*, **2019**, 6, 5469-5478 4.3 7
- 87 Simultaneous growth of ZnSe cactus-like structures and novel microflowers of selenium. *Journal of Alloys and Compounds*, **2012**, 513, 620-625 5.7 7
- 86 DFT studies of single and multiple alkali metals doped C fullerene for electronics and nonlinear optical applications. *Journal of Molecular Graphics and Modelling*, **2021**, 105, 107867 2.8 7
- 85 Computer Vision-Based Microcalcification Detection in Digital Mammograms Using Fully Connected Depthwise Separable Convolutional Neural Network. *Sensors*, **2021**, 21, 3.8 7
- 84 Theoretical mechanistic investigation of zinc(II) catalyzed oxidation of alcohols to aldehydes and esters. *RSC Advances*, **2016**, 6, 31876-31883 3.7 7
- 83 Isolation, spectroscopic and density functional theory of two withanolide glycosides. *Journal of Molecular Structure*, **2019**, 1177, 449-456 3.4 7
- 82 First principles investigation of electronic and optical properties of AgAlO₂. *Chinese Journal of Physics*, **2018**, 56, 2186-2190 3.5 7
- 81 Density functional theory study of structural, electronic and CO adsorption properties of anionic Scnⁿ (n = 2, 3) clusters. *Computational and Theoretical Chemistry*, **2019**, 1163, 112511 2 6
- 80 Semihypergroups characterized by (α, β)-fuzzy hyperideals. *Journal of Intelligent and Fuzzy Systems*, **2015**, 28, 2667-2678 1.6 6
- 79 Towards thermally stable cyclophanediene-dihydropyrene photoswitches. *Journal of Molecular Modeling*, **2015**, 21, 148 2 6
- 78 Mechanistic insight of TiCl₄ catalyzed formal [3 + 3] cyclization of 1,3-bis(silyl enol ethers) with 1,3-dielectrophiles. *RSC Advances*, **2015**, 5, 94304-94314 3.7 6
- 77 Short term study of human skin irritation by single application closed patch test: assessment of four multiple emulsion formulations loaded with botanical extracts. *Cutaneous and Ocular Toxicology*, **2013**, 32, 35-40 1.8 6
- 76 Remarkable nonlinear optical response of Mn@C₂₀ (M = Na & K and n = 18); a DFT outcome. *Materials Science in Semiconductor Processing*, **2022**, 138, 106269 4.3 6
- 75 An Automated In-Depth Feature Learning Algorithm for Breast Abnormality Prognosis and Robust Characterization from Mammography Images Using Deep Transfer Learning. *Biology*, **2021**, 10, 4.9 6
- 74 Study of the structural and electronic properties of FeO at the LDA and GGA level. *Chinese Journal of Physics*, **2017**, 55, 1135-1141 3.5 5
- 73 A computational insight of electronic and optical properties of Cd-doped BaZrO₃. *Chinese Journal of Physics*, **2020**, 66, 318-326 3.5 5
- 72 Role of Pyridine Nitrogen in Palladium-Catalyzed Imine Hydrolysis: A Case Study of (E)-1-(3-bromothiophen-2-yl)-N-(4-methylpyridin-2-yl)methanimine. *Molecules*, **2019**, 24, 4.8 5

71	Efficacy of Phoenix dactylifera L. (Date Palm) Creams on Healthy Skin. <i>Cosmetics</i> , 2017 , 4, 13	2.7	5
70	Topical microemulsion containing Punica granatum extract: its control over skin erythema and melanin in healthy Asian subjects. <i>Postepy Dermatologii I Alergologii</i> , 2014 , 31, 351-5	1.5	5
69	Thermal evaporation and condensation synthesis of metallic Zn layered polyhedral microparticles. <i>Materials Research Bulletin</i> , 2011 , 46, 2261-2265	5.1	5
68	Nano-porous CN as a toxic pesticide's scavenger: A quantum chemical approach. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 111, 108078	2.8	5
67	An intelligent fault detection approach based on reinforcement learning system in wireless sensor network. <i>Journal of Supercomputing</i> , 1	2.5	5
66	First example of lanthanum as dopant on Al ₁₂ N ₁₂ and Al ₁₂ P ₁₂ nanocages for improved electronic and nonlinear optical properties with high stability. <i>Materials Science in Semiconductor Processing</i> , 2021 , 135, 106122	4.3	5
65	Synthesis and Reactivities of Triphenyl Acetamide Analogs for Potential Nonlinear Optical Material Uses. <i>Symmetry</i> , 2019 , 11, 622	2.7	4
64	Synergic effect of pore size engineering and an applied electric field on the controlled permeation of alkali metal atoms and ions across pristine and defect-containing h-BN sheets. <i>New Journal of Chemistry</i> , 2020 , 44, 7891-7901	3.6	4
63	Power analysis approach and its application to IP-based SoC design. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2016 , 35,	0.7	4
62	Accurate theoretical method for homolytic cleavage of C Sn bond: A benchmark approach. <i>Computational and Theoretical Chemistry</i> , 2018 , 1140, 134-144	2	4
61	Aromaticity of azines through dyotropic double hydrogen transfer reaction. <i>Journal of Molecular Modeling</i> , 2014 , 20, 2304	2	4
60	Dyotropic rearrangement of bridgehead substituents in closed dithienylethenes; conjugated verses non-conjugated analogues. <i>Journal of Molecular Modeling</i> , 2015 , 21, 321	2	4
59	Fabrication and electrical characterization of p-Cu ₂ O/n-ZnO heterojunction. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1967-71	1.3	4
58	Biomarkers in psychiatry: a clinician's viewpoint. <i>British Medical Bulletin</i> , 2020 , 135, 23-27	5.4	4
57	Theoretical insights into thermal cyclophanediene to dihydropyrene electrocyclic reactions; a comparative study of Woodward Hoffmann allowed and forbidden reactions. <i>Journal of Molecular Modeling</i> , 2016 , 22, 81	2	4
56	Fundus image-based cataract classification using a hybrid convolutional and recurrent neural network. <i>Visual Computer</i> , 2021 , 37, 2407-2417	2.3	4
55	Electronic, optical and elastic properties of cubic zirconia (c-ZrO ₂) under pressure: A DFT study. <i>Physica B: Condensed Matter</i> , 2021 , 604, 412462	2.8	4
54	Silver cluster (Ag) decorated coronene as non-enzymatic sensor for glucose and HO. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 103, 107824	2.8	4

53	Benchmark study of structural and vibrational properties of scandium clusters. <i>Journal of Molecular Structure</i> , 2017 , 1142, 139-147	3-4	3
52	Isolation, characterization and DFT studies of epoxy ring containing new withanolides from <i>Withania coagulans</i> Dunal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 217, 113-121	4-4	3
51	Theoretical mechanistic investigation of zinc(II) catalyzed oxidative amidation of benzyl alcohols with amines. <i>Polyhedron</i> , 2016 , 112, 34-42	2-7	3
50	Preparation and in vitro characterization of polyvinylpyrrolidone-ploxamer polymeric synergy for oral drug delivery. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2-7	3
49	Extraction of Pb(II) from water samples by ionic liquid-modified silica sorbents. <i>Desalination and Water Treatment</i> , 2014 , 52, 7915-7924		3
48	Single crystalline multi-petal Cd nanoleaves prepared by thermal reduction of CdO. <i>Materials Research Bulletin</i> , 2013 , 48, 819-822	5-1	3
47	Sebumetric and mexametric evaluation of a fennel based cream. <i>ScienceAsia</i> , 2012 , 38, 262	1-4	3
46	Permeation of second row neutral elements through AlP and BP nanocages; a first-principles study. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 101, 107748	2-8	3
45	Design of a negative refractive index material based on numerical simulation. <i>Chinese Journal of Physics</i> , 2016 , 54, 587-591	3-5	3
44	Assessment of mold and yeast in some bakery products of Lahore, Pakistan based on LM and SEM. <i>Microscopy Research and Technique</i> , 2019 , 82, 85-91	2-8	3
43	Fuzzy hyperideals of hyperquantales. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 5605-5615	1-6	2
42	A Novel UV-Spectrophotometric Method for Simultaneous Estimation of Amlodipine and Captopril. <i>Pharmaceutical Chemistry Journal</i> , 2019 , 52, 952-958	0-9	2
41	Comparative efficacy of two anti-aging products containing retinyl palmitate in healthy human volunteers. <i>Journal of Cosmetic Dermatology</i> , 2018 , 17, 454-460	2-5	2
40	Cellulosic and acrylic polymers based composites for controlled drug release. <i>Iranian Polymer Journal (English Edition)</i> , 2019 , 28, 769-776	2-3	2
39	High yield preparation of single crystalline Cd metal nanotubes by non-catalytic thermal decomposition route. <i>Solid State Sciences</i> , 2012 , 14, 693-697	3-4	2
38	Controlled growth of catalyst assisted and catalyst free CdSe micro cactuses with sharply pointed nanorods, their Photoluminescence (PL) and Photo electrochemical (PEC) properties. <i>Electrochimica Acta</i> , 2012 , 85, 122-130	6-7	2
37	Silymarin-Laden PVP-Nanocontainers Prepared Via the Electro spraying Technique for Improved Aqueous Solubility and Dissolution Rate. <i>Brazilian Archives of Biology and Technology</i> , 62 ,	1-8	2
36	Introducing robustness in DBR routing protocol. <i>International Journal of Communication Networks and Distributed Systems</i> , 2020 , 24, 316	0-4	2

35	Risk of psychosis in Yorkshire South Asians. <i>Journal of Psychiatric Intensive Care</i> , 2019 , 15, 117-121	0.3	2
34	Selective arylation of phenol protected propargyl bromide via Pd-catalysed Suzuki coupling reaction: synthesis, mechanistic studies by DFT calculations and Their Pharmacological Aspects". <i>Acta Poloniae Pharmaceutica</i> , 2018 , 75, 911-919	1.3	2
33	Breast Mass Detection and Classification Using Deep Convolutional Neural Networks for Radiologist Diagnosis Assistance 2021 ,		2
32	(M, N)-Double framed soft ideals of Abel Grassmann \mathbb{B} groupoids. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 35, 6313-6327	1.6	2
31	Synthesis of 3,4-Biaryl-2,5-Dichlorothiophene through Suzuki Cross-Coupling and Theoretical Exploration of Their Potential Applications as Nonlinear Optical Materials. <i>Symmetry</i> , 2018 , 10, 766	2.7	2
30	Theoretical insight into structural and electronic properties of cationic Sc ⁿ⁺ (n=2-13): A benchmark study. <i>Solid State Sciences</i> , 2018 , 86, 60-68	3.4	2
29	Impact of even number of alkaline earth metal doping on the NLO response of C20 nanocluster; a DFT outcome. <i>Computational and Theoretical Chemistry</i> , 2021 , 1204, 113386	2	2
28	First-principles study for electrochemical sensing of neurotoxin hydrazine derivatives via h-g-C3N4 quantum dot. <i>Surfaces and Interfaces</i> , 2022 , 30, 101913	4.1	2
27	Theoretical investigation on radical anion promoted electrocyclization in photochromes. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 97, 107550	2.8	1
26	Effect of Ni charge states on structural, electronic, magnetic, and optical properties of InN. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 5650-4	2.8	1
25	2-(4-Acetamido-benzene-sulfonamido)-benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, o1570		1
24	Breast lesions classifications of mammographic images using a deep convolutional neural network-based approach.. <i>PLoS ONE</i> , 2022 , 17, e0263126	3.7	1
23	Superalkali (Li2F, Li3F) doped Al12N12 electrides with enhanced static, dynamic nonlinear optical responses and refractive indices. <i>Materials Science in Semiconductor Processing</i> , 2022 , 143, 106518	4.3	1
22	Multivariate analysis for adaptability and yield stability of rapeseed (<i>Brassica napus</i> L.) strains in different agro-climatic zones. <i>Genetika</i> , 2018 , 50, 369-378	0.6	1
21	Demonstrating the Potential of Alkali Metal-Doped Cyclic COLi Organometallics as Electrides and High-Performance NLO Materials. <i>ACS Omega</i> , 2021 , 6, 29852-29861	3.9	1
20	Benchmark approach to search of cost-effective and accurate density functional for homolytic cleavage of C-Mg bond of Grignard reagent. <i>International Journal of Quantum Chemistry</i> , 2020 , 120, e26106	2.1	1
19	Feature Selection Optimization in Software Product Lines. <i>IEEE Access</i> , 2020 , 8, 160231-160250	3.5	1
18	A Recessively Inherited Risk Locus on Chromosome 13q22-31 Conferring Susceptibility to Schizophrenia. <i>Schizophrenia Bulletin</i> , 2021 , 47, 796-802	1.3	1

17	Alteration impact of electronic properties of c-SrTiO ₃ on optical response due to Ca inclusion: A DFT study. <i>Physica B: Condensed Matter</i> , 2021 , 602, 412553	2.8	1
16	Detailed Mechanistic Study of Radical Mediated Chemoselective Phosphination of Aryl Halide. <i>ChemistrySelect</i> , 2018 , 3, 11302-11308	1.8	1
15	Electrochemical sensing behavior of graphdiyne nanoflake towards uric acid: a quantum chemical approach. <i>Journal of Molecular Modeling</i> , 2021 , 27, 244	2	1
14	Static, dynamic nonlinear optical (NLO) response and electrone characteristics of superalkalis doped star like C ₆ S ₆ Li ₆ . <i>Surfaces and Interfaces</i> , 2022 , 102044	4.1	1
13	Electrochemical sensing of heptazine graphitic C ₃ N ₄ quantum dot for chemical warfare agents; a quantum chemical approach. <i>Materials Science in Semiconductor Processing</i> , 2022 , 148, 106753	4.3	1
12	Energy routing algorithm based on OSPF protocol and virtual circuit switching mode in energy local area network 2020 , 1, 292		0
11	In memory of Professor Iain Wilkinson: cognitive and neuroimaging endophenotypes in a consanguineous schizophrenia multiplex family.. <i>Psychological Medicine</i> , 2022 , 1-9	6.9	0
10	Effect of high pressure on structural, electrical, and optical properties of graphene-like zinc oxide (g-ZnO) structure. <i>Materials Science in Semiconductor Processing</i> , 2022 , 142, 106465	4.3	0
9	Enhancing food security in arid areas of Pakistan through newly developed drought tolerant and short duration mustard (<i>Brassica juncea</i> L.) Canola. <i>Genetika</i> , 2018 , 50, 21-31	0.6	0
8	Density functional theory-supported studies of structural and electronic properties of substituted-phenol derivatives synthesized by efficient O- or C-arylation via Chan-Lam or Suzuki cross-coupling reactions. <i>Turkish Journal of Chemistry</i> , 2019 , 43, 1306-1321	1	0
7	DFT based investigations of BAWO ₄ : Electronic and optical properties. <i>Physica B: Condensed Matter</i> , 2021 , 621, 413309	2.8	0
6	Association between the physical activity and metabolic syndrome in residents of a foot-hill area in India.. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2022 , 16, 102471	8.9	0
5	Sensing behaviour of monocyclic C ₁₈ and B ₉ N ₉ analogues toward chemical warfare agents (CWAs); quantum chemical approach. <i>Surfaces and Interfaces</i> , 2022 , 30, 101912	4.1	0
4	Olympicene as a high-performance sensor for lung irritants: A dispersion corrected DFT insight. <i>Materials Science in Semiconductor Processing</i> , 2022 , 144, 106620	4.3	0
3	DFT studies on electrochemical properties of halide ions doped GDY-28 nanoflake for Na-ion battery applications. <i>Materials Science in Semiconductor Processing</i> , 2022 , 145, 106651	4.3	0
2	1-Methyl-4-[1-(1-phenyl-ethyl-ylidene)-hydrazin-2-yl-ylidene]-3,4-dihydro-1H-2(1H)-1-benzothiazine-2,2-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o2100		
1	Fabrication and Characterization of Gliclazide Loaded Microcapsules. <i>Brazilian Archives of Biology and Technology</i> , 2014 , 57, 874-881	1.8	