Parvin Kumar

List of Publications by Year
in descending order

90 papers	1,671 citations	279701 23 h-index	377752 34 g-index
100 all docs	100 docs citations	100 times ranked	818 citing authors

#	Article	IF	Citations
1	Quantitative structure activity relationship studies of novel hydrazone derivatives as Î±-amylase inhibitors with index of ideality of correlation. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4933-4953.	2.0	34
2	Quantitative structureâ€“toxicity relationship models for predication of toxicity of ionic liquids toward leukemia rat cell line IPC-81 based on index of ideality of correlation. Toxicology Mechanisms and Methods, 2022, 32, 302-312.	1.3	16
3	A sustainable approach to the development of highly degradable packaging films of pectin/guar gum/polyvinyl pyrrolidone: Thermal, biodegradation, and mechanical studies with statistical optimization. Journal of Applied Polymer Science, 2022, 139, .	1.3	2
4	Synthesis and exploration of configurational dynamics in equilibratingE/Z2-aryliminothiazolidin-4-ones using NMR and estimation of thermodynamic parameters. New Journal of Chemistry, 2022, 46, 5012-5025.	1.4	6
5	Sonochemical Protocols for Heterocyclic Synthesis: A Representative Review. Topics in Current Chemistry, 2022, 380, 14.	3.0	5
6	Creation of Quantitative Feature Toxicity Relationship Models for Cytotoxicity of Cadmium Containing Quantum Dots towards HEK Cells using QuasiSMILES. International Journal of Quantitative Structure-Property Relationships, 2022, 7, 0-0.	1.1	0
7	Study of Isotherm and Kinetic Parameters for Efficient Adsorption of Methylene Blue Dye onto the Surface of Meldrumâ€™s Acid Modified SPIONs. Asian Journal of Chemistry, 2022, 34, 619-626.	0.1	1
8	Preparation and optical investigation of green luminescent ternary terbium complexes with aromatic Î²-diketone. Chemical Physics Letters, 2022, 794, 139495.	1.2	47
9	QSRR modelling for the investigation of gas chromatography retention indices of flavour and fragrance compounds on Carbowax 20Mâ€M glass capillary column with the index of ideality of correlation and the consensus modelling. Chemometrics and Intelligent Laboratory Systems, 2022, 224, 104552.	1.8	15
10	Preparation, spectroscopic and thermal investigation of fluorinated Sm(III) Î²-diketonates with bidentate N donor ligands. Chemical Physics Letters, 2022, 800, 139672.	1.2	20
11	Influence of coordinating environment on photophysical properties of UV excited sharp red emitting material: Judd Ofelt analysis. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 430, 113999.	2.0	21
12	Red luminous Eu(III) complexes: Preparation, spectral, optical and theoretical evaluation. Inorganica Chimica Acta, 2022, 539, 121007.	1.2	26
13	CORAL: Development of a hybrid descriptor based QSTR model to predict the toxicity of dioxins and dioxin-like compounds with correlation intensity index and consensus modelling. Environmental Toxicology and Pharmacology, 2022, 93, 103893.	2.0	18
14	CORAL: Quantitative Structure Retention Relationship (QSRR) of flavors and fragrances compounds studied on the stationary phase methyl silicone OV-101 column in gas chromatography using correlation intensity index and consensus modelling. Journal of Molecular Structure, 2022, 1265, 133437.	1.8	14
15	Luminous terbium and samarium complexes with diacetylmethane and substituted 1,10-phenanthroline derivatives for display applications: Preparation and optoelectronic investigations. Journal of Luminescence, 2022, 249, 119032.	1.5	39
16	Effect of substituted 2,2â€²-bipyridine derivatives on luminescence characteristics of green emissive terbium complexes: Spectroscopic and optical analysis. Journal of Molecular Structure, 2022, 1265, 133343.	1.8	19
17	In silico exploration of the fingerprints triggering modulation of glutaminyl cyclase inhibition for the treatment of Alzheimerâ€™s disease using SMILES based attributes in Monte Carlo optimization. Journal of Biomolecular Structure and Dynamics, 2021, 39, 7181-7193.	2.0	10
18	In-silico identification of fingerprint of pyrazolyl sulfonamide responsible for inhibition of N-myristoyltransferase using Monte Carlo method with index of ideality of correlation. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5014-5025.	2.0	13

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19	Cytotoxicity of quantum dots: Use of quasiSMILES in development of reliable models with index of ideality of correlation and the consensus modelling. Journal of Hazardous Materials, 2021, 402, 123777.	6.5	42
20	Synthesis, Crystal structure and DFT studies of Polyfunctionalized Alkenes: A transition Metal-Free C(sp2)-H Sulfenylation of electron deficient Alkyne. Journal of Molecular Structure, 2021, 1225, 129089.	1.8	3
21	Tankyrase inhibitors: emerging and promising therapeutics for cancer treatment. Medicinal Chemistry Research, 2021, 30, 50-73.	1.1	10
22	Identification of good and bad fragments of tricyclic triazinone analogues as potential PKC-Î¸ inhibitors through SMILESâ€“based QSAR and molecular docking. Structural Chemistry, 2021, 32, 149-165.	1.0	18
23	Synthesis, molecular docking and QSAR study of thiazole clubbed pyrazole hybrid as Î±-amylase inhibitor. Journal of Biomolecular Structure and Dynamics, 2021, 39, 91-107.	2.0	51
24	Solidâ€Supported Materialsâ€Based Synthesis of 2â€Substituted Benzothiazoles: Recent Developments and Sanguine Future. ChemistrySelect, 2021, 6, 6388-6449.	0.7	4
25	A hybrid descriptor based QSPR model to predict the thermal decomposition temperature of imidazolium ionic liquids using Monte Carlo approach. Journal of Molecular Liquids, 2021, 338, 116465.	2.3	26
26	Prediction of power conversion efficiency of phenothiazine-based dye-sensitized solar cells using Monte Carlo method with index of ideality of correlation. SAR and QSAR in Environmental Research, 2021, 32, 817-834.	1.0	21
27	Exploring biological efficacy of novel benzothiazole linked 2,5-disubstituted-1,3,4-oxadiazole hybrids as efficient Î±-amylase inhibitors: Synthesis, characterization, inhibition, molecular docking, molecular dynamics and Monte Carlo based QSAR studies. Computers in Biology and Medicine, 2021, 138, 104876.	3.9	31
28	Correlation intensity index (CII) as a benchmark of predictive potential: Construction of quantitative structure activity relationship models for anti-influenza single-stranded DNA aptamers using Monte Carlo optimization. Journal of Molecular Structure, 2021, 1246, 131205.	1.8	23
29	The Monte Carlo approach to model and predict the melting point of imidazolium ionic liquids using hybrid optimal descriptors. RSC Advances, 2021, 11, 33849-33857.	1.7	22
30	Kinetic and Thermal Studies of Adsorption of Allura Red Dye by Surface Functionalized Magnetite Nanoparticles. Asian Journal of Chemistry, 2021, 33, 2675-2684.	0.1	0
31	Alginate and Gum Arabic Coated Iron Oxide Nanoparticles as an Efficient Drug Carrier Agent. Asian Journal of Chemistry, 2021, 34, 133-139.	0.1	0
32	Comparative Studies of Dye Removal Efficiency of Surface Functionalized Nanoparticles with Other Adsorbents: Isotherm and Kinetic Study. Asian Journal of Chemistry, 2021, 33, 3031-3038.	0.1	1
33	Unswerving modeling of hepatotoxicity of cadmium containing quantum dots using amalgamation of quasiSMILES, index of ideality of correlation, and consensus modeling. Nanotoxicology, 2021, 15, 1199-1214.	1.6	14
34	CORAL: Monte Carlo based global QSAR modelling of Bruton tyrosine kinase inhibitors using hybrid descriptors. SAR and QSAR in Environmental Research, 2021, 32, 1013-1031.	1.0	13
35	Nucleobase sequence based building up of reliable QSAR models with the index of ideality correlation using Monte Carlo method. Journal of Biomolecular Structure and Dynamics, 2020, 38, 3296-3306.	2.0	40
36	Thiazolidineâ€4â€one clubbed pyrazoles hybrids: Potent Î±â€amylase and Î±â€glucosidase inhibitors with NLO properties. Journal of Heterocyclic Chemistry, 2020, 57, 1573-1587.	1.4	31

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37	The index of ideality of correlation: A statistical yardstick for better QSAR modeling of glucokinase activators. Structural Chemistry, 2020, 31, 831-839.	1.0	33
38	A review of antimalarial activity of two or three nitrogen atoms containing heterocyclic compounds. Medicinal Chemistry Research, 2020, 29, 1723-1750.	1.1	23
39	Quantitative structure toxicity analysis of ionic liquids toward acetylcholinesterase enzyme using novel QSTR models with index of ideality of correlation and correlation contradiction index. Journal of Molecular Liquids, 2020, 318, 114055.	2.3	27
40	In silico enhancement of azo dye adsorption affinity for cellulose fibre through mechanistic interpretation under guidance of QSPR models using Monte Carlo method with index of ideality correlation. SAR and QSAR in Environmental Research, 2020, 31, 697-715.	1.0	23
41	A Monte Carlo method based QSPR model for prediction of reaction rate constants of hydrated electrons with organic contaminants. SAR and QSAR in Environmental Research, 2020, 31, 935-950.	1.0	23
42	CORAL: QSAR models of CB1 cannabinoid receptor inhibitors based on local and global SMILES attributes with the index of ideality of correlation and the correlation contradiction index. Chemometrics and Intelligent Laboratory Systems, 2020, 200, 103982.	1.8	46
43	Index of ideality of correlation and correlation contradiction index: a confluent perusal on acetylcholinesterase inhibitors. Molecular Simulation, 2020, 46, 777-786.	0.9	11
44	Use of Graph Based Descriptors for Determination of Structural Features Causing Modulation of Fructose-1,6-Bisphosphatase. Drug Research, 2020, 70, 226-232.	0.7	5
45	Construction of pioneering quantitative structure activity relationship screening models for abuse potential of designer drugs using index of ideality of correlation in monte carlo optimization. Archives of Toxicology, 2020, 94, 3069-3086.	1.9	22
46	Synthesis and characterization of water-soluble chitosan derivatives: spectral, thermal and biological studies. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 791-799.	1.2	7
47	Bicyclic 5-5 Systems With One Bridgehead (Ring Junction) Nitrogen Atom: Three Extra Heteroatoms 3:0. , 2020, , 420-420.		0
48	Computational Studies on Acetylcholinesterase Inhibitors: From Biochemistry to Chemistry. Mini-Reviews in Medicinal Chemistry, 2020, 20, 1403-1435.	1.1	8
49	Hydroxyenone Derivatives: In vitro Anti-malarial and Docking Studies against P. falciparum. Infectious Disorders - Drug Targets, 2020, 20, 237-243.	0.4	2
50	QSAR Models for Nitrogen Containing Monophosphonate and Bisphosphonate Derivatives as Human Farnesyl Pyrophosphate Synthase Inhibitors Based on Monte Carlo Method. Drug Research, 2019, 69, 159-167.	0.7	43
51	In silico design of diacylglycerol acyltransferase-1 (DGAT1) inhibitors based on SMILES descriptors using Monte-Carlo method. SAR and QSAR in Environmental Research, 2019, 30, 525-541.	1.0	37
52	A Serendipitous Synthesis: SiO2â€HNO3Mediated Oxidative Aromatization and Regioselective Nitration of 1,3,5â€Trisubstitutedâ€4,5â€Dihydroâ€1Hâ€Pyrazoles. ChemistrySelect, 2019, 4, 10417-10424.	0.7	5
53	Design and development of novel focal adhesion kinase (FAK) inhibitors using Monte Carlo method with index of ideality of correlation to validate QSAR. SAR and QSAR in Environmental Research, 2019, 30, 63-80.	1.0	62
54	Development of prediction model for fructose- 1,6- bisphosphatase inhibitors using the Monte Carlo method. SAR and QSAR in Environmental Research, 2019, 30, 145-159.	1.0	47

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55	Silica-supported ceric ammonium nitrate (CAN): a simple, mild and solid-supported reagent for quickest oxidative aromatization of Hantzsch 1,4-dihydropyridines. Chemical Papers, 2019, 73, 1153-1162.	1.0	12
56	Thermal and biological studies of Schiff bases of chitosan derived from heteroaryl aldehydes. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1707-1716.	2.0	18
57	Monte Carlo Method Based QSAR Studies of Mer Kinase Inhibitors in Compliance with OECD Principles. Drug Research, 2018, 68, 189-195.	0.7	37
58	Multicomponent Synthesis of Some Molecular Hybrid Containing Thiazole Pyrazole as Apoptosis Inducer. Drug Research, 2018, 68, 72-79.	0.7	19
59	CAN Mediated Mechanochemical Synthesis of Substituted Pyridine Derivatives. Letters in Organic Chemistry, 2018, 15, 673-677.	0.2	1
60	Synthesis of novel inhibitors of Î±-amylase based on the thiazolidine-4-one skeleton containing a pyrazole moiety and their configurational studies. MedChemComm, 2017, 8, 1468-1476.	3.5	55
61	Synthesis of Some 4â€Quinolinyl Pyridines and their Antimicrobial and Docking Studies. Journal of Heterocyclic Chemistry, 2017, 54, 2740-2747.	1.4	6
62	Photo-reorganization of 3-alkoxy-6-chloro-2-(benzo[b]thiophen-2-yl)-4H-chromen-4-ones: a green and convenient synthesis of angular pentacyclics. Photochemical and Photobiological Sciences, 2017, 16, 672-682.	1.6	5
63	Design, synthesis, conformational and molecular docking study of some novel acyl hydrazone based molecular hybrids as antimalarial and antimicrobial agents. Chemistry Central Journal, 2017, 11, 115.	2.6	52
64	A green and convenient synthesis of 2-aroylbenzofurans in aqueous media. Arabian Journal of Chemistry, 2017, 10, S3190-S3196.	2.3	6
65	Crystal structure of (Z)-3-[5-chloro-2-(prop-2-ynyloxy)phenyl]-3-hydroxy-1-[4-(trifluoromethyl)phenyl]prop-2-en-1-one. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o556-o557.	0.2	2
66	An economic, simple and convenient synthesis of 2-aryl/heteroaryl/styryl/alkylbenzothiazoles using SiO2â€“HNO3. Research on Chemical Intermediates, 2015, 41, 4283-4292.	1.3	11
67	Estrogenic and Anti-Alzheimerâ€™s studies of Zingiber officinalis as well as Amomum subulatum Roxb.: the success story of dry techniques. Medicinal Chemistry Research, 2015, 24, 1089-1097.	1.1	19
68	Solvent-free synthesis and oxidative aromatization of diethyl-2,6-dimethyl-4-(1-phenyl-3-aryl-1H-pyrazol-4-yl)-1,4-dihydropyridine-3,5-dicarboxylates using hypervalent iodine (III) reagents. Current Chemistry Letters, 2014, 3, 75-84.	0.5	5
69	Synthesis and Evaluation of Bioactivity of Thiazolo[3,2â€b]â€[1,2,4]â€triazoles and Isomeric Thiazolo[2,3â€c]â€[1,2,4]â€triazoles. Journal of Heterocyclic Chemistry, 2013, 50, 1223-1229.	1.4	10
70	Synthesis and antimicrobial activity of some (3-phenyl-5-(1-phenyl-3-aryl-1H-pyrazol-4-yl)-4,5-dihydro-1H-pyrazol-1-yl)(pyridin-4-yl)methanones: new derivatives of 1,3,5-trisubstituted pyrazolines. Medicinal Chemistry Research, 2013, 22, 433-439.	1.1	15
71	Study of binding of pyridoacridine alkaloids on topoisomerase II using in silico tools. Medicinal Chemistry Research, 2013, 22, 5431-5441.	1.1	21
72	Hypervalent Iodine Mediated Oxidative Cyclization of Arenecarbaldehyde-1,3-Benzothiazol-2-yl Hydrazones: An Efficient Synthesis of 3-Aryl-1,2,4-Triazolo[3,4-b]-1,3-Benzothiazoles. Advanced Chemistry Letters, 2013, 1, 74-77.	0.1	2

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73	3-Aryl-1-phenyl-1H-pyrazole derivatives as new multitarget directed ligands for the treatment of Alzheimer's disease, with acetylcholinesterase and monoamine oxidase inhibitory properties. EXCLI Journal, 2013, 12, 1030-42.	0.5	15
74	Solventâ€Free One Pot Synthesis of 2â€aryl/Heteroarylbenzothiazoles Using Hypervalent Iodine (III) Reagents. Journal of Heterocyclic Chemistry, 2012, 49, 1243-1249.	1.4	14
75	An environmentally benign and solvent-free synthesis of 3-aryl[1,2,4]triazolo[4,3-a]pyridines and 1-aryl-5-methyl[1,2,4]triazolo[4,3-a]quinolines using phenyliodine bis(trifluoroacetate) or iodobenzene diacetate. Chemistry of Heterocyclic Compounds, 2012, 47, 1237-1243.	0.6	15
76	Iodobenzene diacetate (IBD) catalyzed an quick oxidative aromatization of Hantzsch-1,4-dihydropyridines to pyridines under ultrasonic irradiation. Ultrasonics Sonochemistry, 2012, 19, 729-735.	3.8	15
77	Surfactant mediated oxygen reuptake in water for green aerobic oxidation: mass-spectrometric determination of discrete intermediates to correlate oxygen uptake with oxidation efficiency. Chemical Communications, 2011, 47, 1797-1799.	2.2	78
78	3-Aryl-2-{4-[4-(2,4-dioxothiazolidin-5-ylmethyl)phenoxy]-phenyl}-acrylic acid alkyl ester: synthesis and antihyperglycemic evaluation. Medicinal Chemistry Research, 2011, 20, 678-686.	1.1	18
79	An efficient synthesis of pyrazole chalcones under solvent free conditions at room temperature. Chinese Chemical Letters, 2011, 22, 37-40.	4.8	26
80	Photo-reorganization of 3-alkoxy-6-chloro-2-(thiophen-3-yl)-4H-chromen-4-ones: Regioselective cyclization via Î³-hydrogen abstraction. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 220, 124-133.	2.0	11
81	Synthesis, antimicrobial evaluation, QSAR and in Silico ADMET studies of decanoic acid derivatives. Acta Poloniae Pharmaceutica, 2011, 68, 191-204.	0.3	5
82	Synthesis and Pharmacological Evaluation of Some Novel Imidazo[2,1â€b][1,3,4]thiadiazole Derivatives. Chinese Journal of Chemistry, 2010, 28, 250-254.	2.6	11
83	A novel, facile, simple and convenient oxidative aromatization of Hantzsch 1,4â€dihydropyridines to pyridines using polymeric iodosobenzene with KBr. Journal of Heterocyclic Chemistry, 2010, 47, 1429-1433.	1.4	14
84	An expeditious synthesis of isoxazoline using cetyltrimethylammonium cerium nitrate: A phase transferring oxidative 1,3-dipolar cycloaddition. Chinese Chemical Letters, 2010, 21, 1287-1290.	4.8	7
85	Heterocyclic Systems Containing Bridgehead Nitrogen Atom:Synthesis and Evaluation of Biological Activity of Imidazo[2,1-b]-1,3,4-thiadiazolo [2,3-c]-s-triazoles, s-Triazolo[3,4-b]-1,3,4-thiadiazolo[3,2-b]imidazo[4,5-b]quinoxaline and bis-(s-Triazolo[3,4-b]-1,3,4-thiadiazolo[3,2-b] [imidazo[4,5-b]-cyclohexane]-5a,6a-diene). Bulletin of the Korean Chemical Society, 2010, 31, 3304-3308.	1.0	11
86	An Expeditious Oxidative Aromatization of Hantzsch 1,4-Dihydropyridines to Pyridines Using Cetyltrimethylammonium Peroxodisulfate: A Phase Transferring Oxidant. Bulletin of the Korean Chemical Society, 2010, 31, 2299-2303.	1.0	14
87	Solid State Oxidative Aromatization of Hantzsch 1,4â€Dihydropyridines to Pyridines Using Iodobenzene Diacetate or Hydroxy(tosyloxy)iodobenzene. Chinese Journal of Chemistry, 2009, 27, 1487-1491.	2.6	14
88	Synthesis of novel fungicidal organomercurials using microwaves. Monatshefte FÃ¼r Chemie, 1997, 128, 1291-1295.	0.9	13
89	Title is missing!. Acta Polymerica, 1984, 35, 597-600.	1.3	3
90	Synthesis of some benzothiazoles by developing a new protocol using urea nitrate as a catalyst and their antimicrobial activities. Journal of Sulfur Chemistry, 0, , 1-12.	1.0	9