

Annual Keyword Index

AC	775	Antimicrobial study	519
Accident variables	682	Antioxidant	724, 871, 979
Acetyl quinolines	571	Antioxidant Activity	68, 1038
Acetylbiphenyl	465	Antioxidants	213
Acetylcoumarin	598	Antiproliferative Activity	68, 291
AChE	699	Antitubercular activity	724
Acoustic impedance	864, 1015	Antituberculosis agents	1144
Acoustical parameters	476	Apoptosis	557
Active methylene compounds	225	Aromatic aldehyde	399
ADME	663, 979, 1097	Aryl enones	670
ADME studies	571	Assorted	441
ADMET	1068	Azomethine group	373
ADMET properties	942		
Adsorption	127	Baylis-Hillman acetates	225
Aerosil	710	BChE	699
AIE-active aggregates	172	Benesi-Hildebrand relation	391
Alkaloids	829	Bentonite	578
Alzheimer's disease	232, 699	Benzaldehyde	328
Amides	1144	Benzaldehydes	907
Amino acid	54	Benzil	328
Amino phosphonates	183	Benzo[b]thiophen-5-amine	663
Amino-2,6-dimetoxypyrimidine	137	Benzofuran	859
Aminoacyl amide	1144	Benzoxazine	399
Aminobenzoic acid	391	Biginelli reaction	657
Aminobenzoquinones	154	Bimetallic oxide	781
Aminobenzothiazole	871	Binary integrating	682
Aminochromen-4-one	823	Bioinorganic complexes	988
Aminophenol	38	Biopolymer	306
Androgen receptor	291	Bio-potencies	1097
Anilides	942	Bisglycine Hydrohalides	1049
Annulation	823	Bis-isoxazolidine	316
Antianxiety	907	Bisnitrones	316
Antianxiety activity	328, 907	Blue tea flowers	192
Antibacterial	979, 1068	Bromination	1127
Antibacterial activity	496, 619, 657, 1022		
Anti-bacterial activity	614	Capsaicin	710
Antibacterial agents	988	Carbazole-piperazine derivatives	1180
Anticancer	598, 730, 933	Carbotioamide	43
Anticancer activity	54, 316, 836	Caspase-3	192
Anticancer properties	43	Castor oil	54
Anti-diabetic	13	Catalysis434	
Antidiabetic	871	Catalytic activity	1156
Antifungal	787	Chemical descriptor	299
Antifungal activity	528, 663	Chemoselectivity	441
Antifungal study	519	Chikungunya virus	1164
Anti-inflammatory activity	829	Chitosan	710
Antimalarial	730, 871	Cholesta-8,24-dien-3	192
Antimalarial activity	670, 1180	Chromeno[2,3-b]pyrroles	823
Antimicrobial	13, 213, 787	Chromenone	106
Antimicrobial activities	942	Chromone	1022
anti-microbial activities	465	Ciprofloxacin	496
Antimicrobial activity	137, 373, 663, 670, 724, 859, 1089, 1186	Click chemistry	768
Anti-microbial activity	165	Click reaction	54, 285
Antimicrobial screening	1180	CLK kinase	22
Antimicrobial studies	966	CNS agents	328
		Co ₃ O ₄	775

Cobalt ferrite	85	Dynamic Light Scattering	172
Colorectal cancer	383	Dynamic simulation	730
Composite	627	Dynamics	22
Condensation reaction	507		
Controlled drug delivery	306	<i>E</i> -imines	1097
Copolymer	38, 627	Electrocatalysis	427
Copper Phosphate	719	Electrocatalytic assisted	507
Cotton fabric	391	Electronic studies	500
COX-2	688	ELF	1049
Cresol	682	Emission	98
Crystal structure	591	Endophytic microorganisms	634
Crystalline	13	Environmentally benign	378
CUAAC	54	Environmentally-benign reaction	670
CV	627	<i>Ephedra equisetina</i> Bunge	829
Cyanuric acid (CA) – Tu	1186	Ephedrine	829
(thiourea) - NCS		Epichlorohydrin	353
Cyclic imides	578	Epoxidation	1127
Cyclic voltammetry	93, 427	Epoxides	441
Cycloaddition	823	Epoxy carbazole	1180
Cyclodextrin	391	Estrogen receptor alpha	291
Cyclohexanediamine	761		
Cyclopentanoids	1127	FeCl ₃ -Bentonite	942
Cytotoxic activity	528	Flavanone	962
Cytotoxicity	192, 557	Flow cytometry	154
		Fluorescence	38
<i>Datura stramonium</i>	634	Fluorescence microscopy	154
DBU	225	Fly-ash:Bi ₂ O ₃ -SO ₄ ²⁻	1097
DC	775	Fly-ash:sulphated SnO ₂	670
Density	476	Formation constant	1015
Density functional theory	512	Free radical scavenging	988
Derivatives	441	Friedländer synthesis	571
Desoxyfructoserotonin	148	FT-IR	391, 781
DFT	43, 299, 1097, 1164	Fuopyrroloisindole-dione	1133
DFT analysis	942		
DFT calculation	966	GC-MS analysis	829
DFT calculations	1038	Gene expression	269
DFT studies	614	Gentamicin sulfate	1089
DHA	614	Gibbs energy of activation	476
Diabetes	306	Glassy carbon electrode	583
Dibromosalicylaldehyde	247	Glucosidase	933
Dichlorobenzene	682	Glycine	247
Dicyclopentadiene-1-one	1127	Glycosylation	995
Differential pulse voltammetry	583	Green synthesis	13, 434, 1059
Differential scanning calorimetry (DSC)	1089		
Diketones	619	Hanson's disease	148
Diperoxidatocuprate(III)	486	H-bonded framework solid	1186
Diphenylamine	38	HDACi	768
Dipolar cycloaddition	962	Henry reaction	148
Dithiolates	528	Hirshfeld surface analysis	43, 591, 799
DLS	781	HSP90 Inhibitor	154
DNA binding molecules	269	Hydrazone	614
DNA-binding	557	Hydroxy-5-nitrobenzaldehyde	871
Docking	730, 768	Hydroxychloroquine	583
Docking score	328	Hydroxycoumarin	598
Docking studies	933	Hydroxyisindolinone	1133
Donor	995	Hypervalent Iodine(III) Reagent	68
Dopamine	98		
DPPH assay	213	Imidazole	213
Drug likeliness	768	<i>In silico</i> ADMET study	22
Drug likeness	1038, 1022	<i>In silico</i> target prediction	22
Dye sensitized solar cells	512	<i>In silico</i>	213
		<i>In silico</i> pharmacokinetics	232

Inclusion complex	391	Molecular dynamic simulation	383
Indolyl-pyrimidine	724	Molecular dynamics	688
Inflammatory	285	Molecular dynamics (MD) simulation	1164
Intercalation	269	Molecular interaction	864
Intermolecular	995	Molinspiration	578
Intermolecular cycloaddition reaction	316	Monosodium urate	299
Ionic surfactants	864	Montmorillonites	578
IR	719	Morpholine	1015
IR	1156	Multicomponent phosphorylation	183
IR and NMR spectra	942	<i>Mycobacterium tuberculosis</i>	815
Isatin	933		
Isofroxadin	285	Nanocomposites	953
Isotherm	127	Nanoparticles	1059
Isoxazole	962	Naphthalene dicarboxylic acid derivatives	512
Isoxazolines	316	NBO	1022, 1049
KRAS	411	NCCPC	183
		<i>Nelumbo nucifera</i> Gaertn.	291
Lanthanide(III) metal complexes	500	New source	106
Levulinic ester	1156	Nickel(II) mixed ligand complexes	528
Lewis acid	1133	NLO	799, 1022
Ligand	373	NMR	1156
Light harvesting efficiency	512	NMR spectra	465
Lipase	933	Nomoto's relation	1015
Lipinski rule	688	Non-covalent interactions	1079
Low thermal inertia material	953	Norbornene	1127
LPG	775	Nucleophilic addition	995
		NVK	627
MABA assay	815	Oxacycles	899
Magnesium-zinc-phthalocyanine	881	Oxazepines	979
Magnetic susceptibility	500	Oxidation	441, 486
Malononitrile	507	Oxidative cyclization	378
Manganese-oxyhydroxide	953	Oxidative stress	1038
Manganese-Pyrazole	953	Oxime ligand	966
Mannich reaction	399	Oxo-butanamido benzoate derivatives	815
Marine bioactive compounds	411	Oxygen evolution reaction	93, 427
<i>m</i> -CPBA	888		
MD simulation, DFT	411	Palladium	995
Mechanical bond	1079	PASS prediction	663
Mechanochemistry	316	<i>Pelargonium graveolens</i>	106
Mefloquine	730	Pesticidal activity	500
Meisenheimer rearrangement	888	Pharmacokinetics	192
Membered ring	899	Pharmacophore	22
Metal complex	43, 373	Phenanthroline	528
Metal complexes	247, 496, 761, 1089	Phenoxybenzaldehyde	657
Metastatic TNBC cells	192	Phenylalanine	98
Methyl α -D-glucopyranoside	1164	Phenylenediamine	353, 591
MIC	787	Photocatalysis	13
Micellar medium	486	Photodynamic property	881
Microbial activity	761	Phthalocyanine rings	881
<i>Micrococcus luteus</i>	634	Plant pathogens	361
Microemulgel	710	Poison food plate	361
Microemulsion	710	Polar surface area	578
Microwave	1059	Polyaniline	775
MM-GBSA	688	Polymer sorbent	353
Molecular docking	154, 361, 383, 411, 465, 598, 663, 670, 688, 699, 761, 787, 815, 836, 871, 942, 966, 979, 1038, 1068, 1164	Pseudoternary diagram	710
Molecular docking studies	571	Py	627
Molecular dynamic simulation	232		

Pyrazole	859, 907	Sulfonylation	1133
Pyrene	98	Sulpha drug	519
Pyridine heterocyclic group	399	Supramolecular Chemistry	1079
Pyrimidine	496, 614	Supramolecular H-bonded solid	1186
Pyrimidines	657	Supramolecular structures	172
Pyrimidinethiones	465	Surfactant	486
		Surplus attributes	682
QTAIM	1049	Sustained hypoglycaemia	306
Quantitative structure property relationship (QSPR)	768	Suzuki cross-coupling	962
Quantum chemical calculation	299	Synthesis	724, 1089
Quinoline	1068	Synthetic urine	583
Quinoxaline	378		
		Tafel polarization	93, 427
R-21	127	Targeted drug delivery	306
Raman spectroscopic analysis	591	Ternary complexes	871
RCM	899	TG	627
Reduction	441	TGA	38, 781
Repurposing	730	Theoretical calculations	799
RNA	634	Theory	682
Rosiglitazone	22	Thermal analysis	799
Rotaxanes	1079	Thermodynamics	127
Roughness factor	93	Thermogravimetric curve	881
RRM	899	Thiatriazole	859
RS	781	Thiazolidinedione	836
Ru(III) catalyzed	486	Thiazolidinone	137
Ruthenium (II) complex	557	Thin film	85
		Thiophene	619
Scanning electron microscope	881	Thiourea	465
Scanning Electron Microscopy	172	Thiourea organocatalyst	183
Schiff base	137, 519, 598, 663, 979	Three component reaction	507
Schiff base chemistry	988	Topoisomerase inhibition	557
Schiff base complex	165	TosMIC	1133
Schiff base derivatives	699	Toxicity	836
Schiff base ligand	247, 761	Transcription factors	269
Schiff bases	213	Transenoyl-acyl carrier protein (ACP) reductase (InhA)	815
Schiff-Base	399	Transition metal complexes	519
Secondary metabolites	634	Transition metal complexes	966
Self-assembly	98	Triazole	54, 787, 836, 933,
SEM	719, 775, 781, 1059	Triazoles	285
Sequence selectivity	269	Triazolo[4,3-c]quinazolines	68
Sesamol	1038	Tridentate Schiff base ligands	500
Skeleton Muscle Relaxant	907	Triphenyl imidazole derivatives	328
Small molecule library	768	Triquinane	899
S _N 2' Substitution	225	Tri-substituted alkenes	225
Sol-gel	434	Triterpenoid saponin	383
Sol-gel method	93	Triterpenoids	291
Solubilized system	583	Tuberculosis	285, 1144
Sound velocity	476		
Spectral characterization	1186	Ultrasonication	864, 1097
Spectral studies	165, 500, 657	Ultrasound	378
Spectro-thermal characterization	966	Unusual	441
Spilanthol	688	Upper-division undergraduate level	1079
Spinel oxide	427	UV-Vis	98, 781
Spore germination	361		
Spray pyrolysis	85	Valine	486
Strand cleavage	269	Vanillin	761, 836
Strobilurin fungicide	361	VEGFR-2 Inhibitors	68
Structural properties	85	VHA (Venetoclax)	888
Structure-based drug design	232	hydroxylamine)	
Styrylchromones	619	Vibrational spectra	299
Substituted pyridine	507		

Vilsmeier-Haack reaction	137, 148	X-Ray diffraction	172
Virtual screening	232	X-ray phase analysis	353
Viscous relaxation time	1015	XRD	719, 775, 1097
VNO (Venetoclax N-Oxide)	888	Xylene	1015
<i>Weigela</i> x "Bristol Ruby"	383		
White ash gourd	13	Zn(OTf) ₂ -catalyzed	823
Worm-like micelles	172	ZnO	434
		ZnSnO ₃ XRD	781
X-ray	799	ZSM-5 Zeolites	1156