

CITATION REPORT

List of articles citing

The Cationminus signpi Interaction

DOI: 10.1021/cr9603744

Chemical Reviews, 1997, 97, 1303-1324.

Source: <https://exaly.com/paper-pdf/28218015/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
2289	Cluster Interactions Cause Size-Selective Reactivity of Cationic Silver Clusters with Acetylene: The Distinctive Ag ₇ ⁺ [C ₂ H ₂].		
2288	Carbon Nanotube Dispersion in Solvents and Polymer Solutions: Mechanisms, Assembly, and Preferences.		
2287	Nanoscale StructureProperty Relationships of Polyacrylonitrile/CNT Composites as a Function of Polymer Crystallinity and CNT Diameter.		
2286	Comparison of the physiologically equivalent proteins cytochrome c6 and plastocyanin on the basis of their electrostatic potentials. Tryptophan 63 in cytochrome c6 may be isofunctional with tyrosine 83 in plastocyanin. 1997 , 36, 16187-96		50
2285	Lewis Base Coordination versus CationπInteraction in Monomeric and Hexameric Potassium Thiulates. 1997 , 16, 5792-5803		42
2284	RNA shows its metal. 1998 , 5, 927-30		43
2283	Aromatic rescue of glycine in beta sheets. 1998 , 3, 449-55		65
2282	Is the brain ready for physical organic chemistry?. 1998 , 11, 334-340		7
2281	Modellierung der Adsorption von Benzol in Lithiozeolithen durch Berechnung der chemischen Verschiebung von ⁷ Li . 1998 , 110, 2607-2609		1
2280	Katalytische enantioselektive Retro-Aldolreaktion: kinetische Racematspaltung von β -Hydroxyketonen durch Aldolase-Antikörper. 1998 , 110, 2609-2612		23
2279	Modellierung der supramolekularen Eigenschaften von aliphatisch-aromatischen Kohlenwasserstoffen mit konvex-konkaver Topologie. 1998 , 110, 3497-3500		27
2278	Fine Tuning of the Cavity Size in Calixarene-Like Cyclophanes: A Complete Series of Homooxalix[4]arene Ligands for Quaternary Ammonium Ions. 1998 , 4, 2018-2030		49
2277	Modeling of Benzene Adsorption in Metal-Exchanged Zeolites by Calculation of Li Chemical Shifts. 1998 , 37, 2530-2531		12
2276	Tricyclic scaffolds for the rapid assembly of abiotic receptors. 1998 , 54, 14041-14052		29
2275	Molecular receptor for binding quaternary ammonium salts and a large anion effect on the complexation. 1998 , 39, 3779-3782		24
2274	Enzymatic synthesis of a modified phospholipid and its evaluation as a substrate for B. cereus phospholipase C. 1998 , 8, 593-6		10
2273	Carriers and channels: current progress and future prospects. 1998 , 2, 711-6		15

2272	Cation- π (Na^+ -Trp) interactions in the crystal structure of tetragonal lysozyme. 1998 , 7, 2472-5	85
2271	Contributions of dipole moments, quadrupole moments, and molecular polarizabilities to the anesthetic potency of fluorobenzenes. 1998 , 73, 7-11	16
2270	Crystal structure of a human alkylbase-DNA repair enzyme complexed to DNA: mechanisms for nucleotide flipping and base excision. 1998 , 95, 249-58	252
2269	From ab initio quantum mechanics to molecular neurobiology: a cation- π binding site in the nicotinic receptor. 1998 , 95, 12088-93	480
2268	Synthesis and Cation Binding Properties of New Bile Acid-based Crown Ethers. 1998 , 10, 97-106	14
2267	Interaction of the Tetramethylammonium Ion with the Cycles of Aromatic Amino Acids beyond the SCF Ab Initio Level. 1998 , 120, 8553-8554	34
2266	Iron release is reduced by mutations of lysines 206 and 296 in recombinant N-terminal half-transferrin. 1998 , 37, 13696-703	35
2265	Energetic Analysis of an Engineered Cation- π Interaction in Staphylococcal Nuclease. 1998 , 120, 7135-7136	40
2264	Binding of Acetylcholine and Quaternary Ammonium Cations to Macrocyclic and Acyclic β -phane- π Esters. Evaluation of the Cation- π Primary Interaction through Adaptive Aromatic Hosts. 1998 , 120, 12443-12452	66
2263	Fluorescence Investigation of Multiple Partitioning Sites in Aqueous and Reverse Micelles. 1998 , 102, 8163-8169	42
2262	The B-DNA dodecamer at high resolution reveals a spine of water on sodium. 1998 , 37, 8341-55	422
2261	Synthesis of Calix[4]arenylvinylylene and Calix[4]arenylphenylene Oligomers by Stille and Suzuki Cross-Coupling Reactions. 1998 , 63, 9535-9539	27
2260	Specificity of alcohol dehydrogenases for sulfoxides. 1998 , 37, 4482-9	19
2259	A Raman spectroscopic characterization of bonding in the complex of horse liver alcohol dehydrogenase with NADH and N-cyclohexylformamide. 1998 , 37, 14267-78	30
2258	Binding of Na^+ , Mg^+ , and Al^+ to the π -Faces of Naphthalene and Indole: Ab Initio Mapping Study. 1998 , 102, 8946-8952	57
2257	Metal and Multimetal Complexes with Polyaromatic Hydrocarbons: Formation and Photodissociation of $\text{Fex}(\text{Coronene})_y$ Cations. 1998 , 102, 6390-6394	55
2256	Fluorescence Spectroscopic Studies of Anthracene Adsorbed into Zeolites: From the Detection of Cation- π Interaction to the Observation of Dimers and Crystals. 1998 , 14, 4284-4291	69
2255	Molecular ordering of interfacially localized tryptophan analogs in ester- and ether-lipid bilayers studied by $^2\text{H-NMR}$. 1998 , 75, 1365-71	102

2254	Polarization-Corrected Electrostatic Potential for Probing Cation Binding Patterns of Molecules. 1. Saturated Hydrocarbons. 1998 , 120, 7056-7062	22
2253	Electrostatic Insights into the Molecular Hydration Process: A Case Study of Crown Ethers 1998 , 102, 9987-9992	55
2252	Divalent cations stabilize unstacked conformations of DNA and RNA by interacting with base pi systems. 1998 , 37, 17105-11	119
2251	π-Cation and π-Dipole-Stabilizing Interactions in a Simple Model System with Cofacial Aromatic Rings. 1998 , 63, 4985-4990	21
2250	Competitive solvation of K ⁺ by benzene and water: Cation-π Interactions and π-Hydrogen bonds. 1998 , 108, 5151-5154	144
2249	Function-structure studies and identification of three enzyme domains involved in the catalytic activity in rat hepatic squalene synthase. 1998 , 273, 12515-25	68
2248	Is polarization important in cation-π interactions?. 1998 , 95, 5976-80	244
2247	Alanine-scanning mutagenesis of transmembrane domain 6 of the M(1) muscarinic acetylcholine receptor suggests that Tyr381 plays key roles in receptor function. 1999 , 56, 1031-41	66
2246	Ester Hydrolysis. 1999 , 101-137	2
2245	Novel insight into the copper-ligand geometry in the crystal structure of <i>Ulva pertusa</i> plastocyanin at 1.6-Å resolution. Structural basis for regulation of the copper site by residue 88. 1999 , 274, 4225-30	32
2244	Detoxification of environmental mutagens and carcinogens: structure, mechanism, and evolution of liver epoxide hydrolase. 1999 , 96, 10637-42	201
2243	How do coinage metal ions bind to benzene?. 1999 , 96, 583-591	65
2242	Naturally Occurring Cyclotryptophans and Cyclotryptamines. 1999 , 13, 163-236	150
2241	Stereochemistry of the cyclotrimerisation of enantiopure polycyclic bromostannylalkenes: Mechanistic considerations on the coupling of alkenyl stannanes by copper(II) nitrate. 1999 , 40, 8185-8188	20
2240	The cyclotrimerisation of (+)-camphor. 1999 , 40, 9121-9124	16
2239	Photodissociation of silverboronene cluster cations. 1999 , 185-187, 617-624	22
2238	Novel mixed ligand sandwich complexes: competitive binding of iron with benzene, coronene, and C60. 1999 , 182-183, 323-333	53
2237	Reactions of Au ⁺ and Au ⁰ with benzene and fluorine-substituted benzenes. 1999 , 182-183, 175-184	20

2236	Binding energies of chromium cations with fluorobenzenes from radiative association kinetics. 1999 , 185-187, 913-923	19
2235	Structure-based design of COX-2 selectivity into flurbiprofen. 1999 , 9, 307-12	87
2234	Structural and redox chemistry of osmium(III) chloro complexes containing 2,2':6',2''-terpyridyl and tris-pyrazolyl borate ligands. 1999 , 18, 1587-1594	9
2233	Differential effect of pressure and temperature on the catalytic behaviour of wild-type human butyrylcholinesterase and its D70G mutant. 1999 , 264, 327-35	9
2232	Cation- π interaction with transition-metal complex as cation. 1999 , 311, 77-80	39
2231	Photodissociation spectroscopy of the Mg+ π 2H2 π -complex. 1999 , 312, 96-100	22
2230	Structure, Conformational Equilibrium, and Proton Affinity of Calix[4]arene by Density Functional Theory. 1999 , 103, 9080-9085	55
2229	Hopanoid Biosynthesis and Function in Bacteria. 1999 , 86, 168-176	181
2228	Interaction between the peripheral site residues of human butyrylcholinesterase, D70 and Y332, in binding and hydrolysis of substrates. 1999 , 1433, 281-93	64
2227	A new member of the endonuclease III family of DNA repair enzymes that removes methylated purines from DNA. 1999 , 9, 653-6	35
2226	Structural Examination of Supramolecular Architectures by Electrospray Ionization Mass Spectrometry. 1999 , 1999, 1325-1331	43
2225	Konvergenz der Mechanismen eines katalytischen Antiköppers und einer Terpen-Cyclase: eine durch Carbokation- π -Elektronen-Wechselwirkung gesteuerte Polyencyclisierung. 1999 , 111, 1859-1864	10
2224	Einfluß von Perfluoraren-Aren-Wechselwirkungen auf das Phasenverhalten von flüssigkristallinen und polymeren Materialien. 1999 , 111, 2909-2912	39
2223	A New Cyclic Pseudopeptide Composed of (l)-Proline and 3-Aminobenzoic Acid Subunits as a Ditopic Receptor for the Simultaneous Complexation of Cations and Anions. 1999 , 64, 9475-9486	109
2222	Size selectivity by cation- π interactions: Solvation of K ⁺ and Na ⁺ by benzene and water. 1999 , 110, 8429-8435	199
2221	Binding of Acetylcholine to a Cyclophane Host. Influence of Water and Reliability of NMR Measurements of Small Association Constants. 1999 , 10, 225-232	10
2220	Convenient and Efficient Synthesis for a Series of Ether Bis-Imidazoles and Their Derivatives. 1999 , 29, 1217-1222	15
2219	A Model for Hydride Transfer in Thymidylate Synthase Based on Unnatural Amino Acid Mutagenesis. 1999 , 121, 7965-7966	19

2218	Cation-pi interactions in structural biology. 1999 , 96, 9459-64	1622
2217	Characterization of Self-Assembling Encapsulation Complexes in the Gas Phase and Solution. 1999 , 121, 2133-2138	67
2216	Arene/Cation Structure and Bonding. Solvation versus Ligand Binding in Iron(III) Tetraphenylporphyrin Complexes of Benzene, Toluene, p-Xylene, and [60]Fullerene. 1999 , 121, 8466-8474	81
2215	Nuclear magnetic resonance and restrained molecular dynamics studies of the interaction of an epidermal growth factor-derived peptide with protein tyrosine phosphatase 1B. 1999 , 38, 5256-71	15
2214	Ab Initio Molecular Orbital Study of Cation Binding between the Alkali-Metal Cations and Benzene. 1999 , 103, 1394-1400	145
2213	A Topological Analysis of Electron Density in Cation Complexes. 1999 , 103, 315-321	101
2212	A Quantitative Basis for a Scale of Na ⁺ Affinities of Organic and Small Biological Molecules in the Gas Phase. 1999 , 121, 8864-8875	257
2211	Interactions of Phenol and Indole with Metal Ions in the Gas Phase: Models For Tyr and Trp Side-Chain Binding. 1999 , 121, 2259-2268	96
2210	Anisole as an Ambidentate Ligand: Ab Initio Molecular Orbital Study of Alkali Metal Cations Binding to Anisole. 1999 , 103, 9815-9820	47
2209	Synthesis, in vitro pharmacology, and molecular modeling of very potent tacrine-huperzine A hybrids as acetylcholinesterase inhibitors of potential interest for the treatment of Alzheimer's disease. 1999 , 42, 3227-42	90
2208	Electrostatic Attraction of Counterion Dominates the Cation Interaction of Acetylcholine and Tetramethylammonium with Aromatics in Chloroform. 1999 , 121, 11908-11909	55
2207	Tungsten Tungsten Multiple-Bond Functionalities Supported by a Polyoxo Surface Modeled by Calix[4]arene. 1999 , 38, 1438-1445	31
2206	Novel modifications in the alkenyldiarylmethane (ADAM) series of non-nucleoside reverse transcriptase inhibitors. 1999 , 42, 4861-74	48
2205	Cooperative Role of Arg45 and His64 in the Spectroscopic A3 State of Carbonmonoxy Myoglobin: Molecular Dynamics Simulations, Multivariate Analysis, and Quantum Mechanical Computations. 1999 , 121, 6444-6454	35
2204	Binding of Organic Cations to a Cyclophane Host As Studied with Molecular Dynamics Simulations and Free Energy Calculations. 1999 , 103, 4474-4480	13
2203	Lifetimes of Dialkylcarbocations Derived from Alkanediazonium Ions in Solution: Cyclohexadienyl Cations as Kinetic Probes for Cation Reactivity1. 1999 , 121, 6589-6598	36
2202	Contribution of Pyrone-Type Structures to Carbon Basicity: An ab Initio Study. 1999 , 15, 3897-3904	51
2201	Energetics of a hydrogen bond (charged and neutral) and of a cation-pi interaction in apoflavodoxin. 1999 , 290, 319-30	67

2200	Calix[4]arene Having a Convergent Carboxylic Acid Function: Synthesis and Ion Binding Properties of a New Cs ⁺ -selective Ionophore. 1999 , 28, 493-494	6
2199	Synthetic receptors as models for alkali metal cation- π binding sites in proteins. 2000 , 97, 6271-6	96
2198	Selective Recognition of NH ₄ ⁺ over K ⁺ with Tripodal Oxazoline Receptors. 2000 , 29, 170-171	33
2197	Kombinatorische Ansätze zu molekularen Rezeptoren für die Chemosensorik. 2000 , 48, 453-457	0
2196	Environment of tryptophan side chains in proteins. 2000 , 38, 288-300	120
2195	Use of theoretical descriptors to characterize cation-binding sites in (macro)molecules. 2000 , 21, 847-855	16
2194	Assignment of the contribution of the tryptophan residues to the spectroscopic and functional properties of the ribotoxin alpha-sarcin. 2000 , 41, 350-61	27
2193	Successive Inclusion of Water, [H ₃ NCH ₂ CH ₂ NH ₃] ²⁺ and [H ₃ NCH ₂ CH ₂ NH ₂] ⁺ in the Aromatic Cavity of (p-Sulfonato)calix[4]arene. 2000 , 2000, 133-139	32
2192	Synthesis of Benzotri(benzonorbornadienes) (BTBNDs): Rigid, Cup-Shaped Molecules with High Electron Density within the Cavity. 2000 , 2000, 1965-1971	32
2191	Toward an artificial acetylcholinesterase. 2000 , 6, 3228-34	43
2190	Novel artificial receptors for alkylammonium ions with remarkable selectivity and affinity. 2000 , 6, 3399-403	50
2189	Metal ligand aromatic cation- π interactions in metalloproteins: ligands coordinated to metal interact with aromatic residues. 2000 , 6, 3935-42	112
2188	Ag ⁺ labeling: a convenient new tool for the characterization of hydrogen-bonded supramolecular assemblies by MALDI-TOF mass spectrometry. 2000 , 6, 4104-15	41
2187	Alkali-metal ion/molecule association reactions and their applications to mass spectrometry. 2000 , 19, 111-38	116
2186	Rigid Calix[4]arene as a Building Block for the Synthesis of New Quaternary Ammonium Cation Receptors. 2000 , 2000, 2325-2334	62
2185	Experimental Evidence for Alkali Metal Cation- π Interactions. 2000 , 2000, 2967-2978	181
2184	Molecular tweezers as synthetic receptors: molecular recognition of neutral and cationic aromatic substrates. A comparison between the supramolecular structures in crystal and in solution. 2000 , 13, 604-611	38
2183	Unique magnetic signature of transition metal atoms supported on benzene. 2000 , 321, 142-150	97

2182	Squaramide as a binding unit in molecular recognition. 2000 , 326, 247-254	56
2181	Ionic strength and intermolecular contacts in protein crystals. 2000 , 217, 429-440	18
2180	Identification of a potential metal cation-pi binding site in the structure of a thermophilic <i>Bacillus stearothermophilus</i> triosephosphate isomerase mutant. 2000 , 56, 1201-3	8
2179	Engineering Oriented Gases: The Mechanism of Dyeing Potassium Sulfate. 2000 , 56, 6633-6643	23
2178	Synthesis, characterisation and physicochemical properties of polyphenols prepared by cobalt(II) catalysed oxidative polymerisation. 2000 , 46, 101-107	4
2177	Hydroquinone aggregates as a thermoelectric switch. 2000 , 44, 201-205	5
2176	Supramolecular chemistry goes gas phase: the mass spectrometric examination of noncovalent interactions in host-guest chemistry and molecular recognition. 2000 , 194, 11-39	252
2175	Unnatural amino acids as probes of protein structure and function. 2000 , 4, 645-52	198
2174	Cation-pi effects in the complexation of Na ⁺ and K ⁺ with Phe, Tyr, and Trp in the gas phase. 2000 , 11, 1037-46	151
2173	Synthesis and PTP1B inhibition of novel 4-aryl-1-oxa-9-thiacyclopenta[b]fluorenes. 2000 , 10, 1535-8	21
2172	Theoretical study of cation-pi interactions of the metal complex cation, [Co(NH ₃) ₆] ³⁺ , with ethylene and acetylene. 2000 , 256, 213-223	17
2171	Singlet Oxygen Mediated Oxidation of Olefins within Zeolites: Selectivity and Complexities. 2000 , 56, 6927-6943	44
2170	Photochemical Reactions in the Interior of a Zeolite. Part 5: The Origin of the Zeolite Induced Regioselectivity in the Singlet Oxygen Ene Reaction. 2000 , 56, 6945-6950	26
2169	Syntheses and ion binding properties of novel cage molecules derived from homooxacalix[3]arene. 2000 , 41, 1807-1810	24
2168	Substrate deformation in a hypoxanthine-guanine phosphoribosyltransferase ternary complex: the structural basis for catalysis. 2000 , 8, 1309-18	62
2167	A new nicotinic acetylcholine minireceptor model: a theoretical thermodynamic analysis of simultaneous cation-pi and hydrogen bond interactions. 2000 , 532, 11-22	6
2166	Electrostatic potential profiles may guide cation-pi interaction in antimalarials chloroquine and mefloquine: an ab initio quantum chemical study. 2000 , 529, 193-201	24
2165	Theoretical study of dopamine. Application of the HSAB principle to the study of drug-receptor interactions. 2000 , 507, 1-10	10

2164	. 2000,	13
2163	Nuclear magnetic resonance solution conformation of alpha-conotoxin AulB, an alpha(3)beta(4) subtype-selective neuronal nicotinic acetylcholine receptor antagonist. 2000 , 275, 8680-5	27
2162	Phosphatidylcholine-Preferring Phospholipase C from <i>B. cereus</i> . Function, Structure, and Mechanism. 2000 , 131-167	15
2161	Squalene synthase: structure and regulation. 2001 , 65, 157-95	32
2160	Modulating protein folding rates in vivo and in vitro by side-chain interactions between the parallel beta strands of green fluorescent protein. 2000 , 275, 29200-6	23
2159	Active-site gorge and buried water molecules in crystal structures of acetylcholinesterase from <i>Torpedo californica</i> . 2000 , 296, 713-35	128
2158	Pathways of ligand clearance in acetylcholinesterase by multiple copy sampling. 2000 , 298, 705-26	28
2157	Stabilization of bound polycyclic aromatic hydrocarbons by a pi-cation interaction. 2000 , 302, 691-9	38
2156	Contribution of cation-pi interactions to the stability of protein-DNA complexes. 2000 , 302, 395-410	191
2155	Noncovalent interactions: a challenge for experiment and theory. <i>Chemical Reviews</i> , 2000 , 100, 143-68	68.1 1403
2154	Teaching Noncovalent Interactions in the Biochemistry Curriculum through Molecular Visualization: The Search for pi Interactions. 2000 , 77, 1424	30
2153	Crystal structure determination of aristolochene synthase from the blue cheese mold, <i>Penicillium roqueforti</i> . 2000 , 275, 25533-9	142
2152	Origin of the Attraction and Directionality of the NH/π Interaction: Comparison with OH/π and CH/π Interactions. 2000 , 122, 11450-11458	338
2151	¹ H NMR and Calorimetric Studies of the Inclusion of Trimethylammonium Cations into Water Soluble Calixresorcinarenes. 2000 , 11, 279-288	15
2150	The choline binding site of phospholipase C (<i>Bacillus cereus</i>): insights into substrate specificity. 2000 , 39, 3410-5	48
2149	Three-State, Conformational Probe for Hydrophobic, π-Stacking Interactions in Aqueous and Mixed Aqueous Solvent Systems: Anisotropic Solvation of Aromatic Rings. 2000 , 122, 9271-9277	29
2148	The structure of microsolvated benzene derivatives and the role of aromatic substituents. <i>Chemical Reviews</i> , 2000 , 100, 3891-920	68.1 278
2147	Copper(II)-catalyzed reactions of activated aromatics. 2000 , 65, 2344-9	27

2146	Interplay of Thermochromicity and Liquid Crystalline Behavior in Poly(p-phenyleneethynylene)s: Interactions or Planarization of the Conjugated Backbone?. 2000 , 33, 652-654	181
2145	Electrostatic and electrophilic catalysis in the reductive cleavage of alkyl aryl ethers. The influence of ion pairing on the regioselectivity. 2000 , 65, 322-31	43
2144	Average Orientation and Location of Benzyl Alcohol-d5 and Alkyl Benzyl-d5 Ethers in Anionic Nematic Lyotropic Liquid Crystals. 2000 , 16, 4040-4044	2
2143	Understanding the Influence of Active (Zeolite) and Passive (Polyethylene) Reaction Cages on Photo-Claisen Rearrangements of Aryl Benzyl Ethers. 2000 , 16, 6977-6981	20
2142	Growth and Photodissociation of Crx(Coronene)y Complexes. 2000 , 104, 11055-11062	33
2141	Ultraviolet-resonance raman spectroscopy of the filamentous virus PF3: interactions of Trp 38 specific to the assembled virion subunit. 2000 , 39, 146-52	33
2140	Delineation and Decomposition of Energies Involved in Quaternary Ammonium Binding in the Active Site of Acetylcholinesterase. 2000 , 122, 2975-2980	35
2139	Site specificity in the photooxidation of some trisubstituted alkenes in thionin-supported zeolite Na-Y. On the role of the alkali metal cation. 2000 , 2, 1369-72	40
2138	Cyclic peptides incorporating 4-carboxyphenylalanine and phosphotyrosine are potent inhibitors of pp60(c)(src). 2000 , 39, 5221-8	8
2137	Two crystal structures of human neutrophil collagenase, one complexed with a primed- and the other with an unprimed-side inhibitor: implications for drug design. 2000 , 43, 3377-85	46
2136	Cation-π versus OH-π Interactions in Proteins: A Density Functional Study. 2000 , 104, 10087-10091	27
2135	Modeling of the inhibition of retroviral integrases by styrylquinoline derivatives. 2000 , 43, 1949-57	58
2134	How Does Ammonium Interact with Aromatic Groups? A Density Functional Theory (DFT/B3LYP) Investigation. 2000 , 104, 9573-9580	64
2133	Binding Energies of Gas-Phase Metal Ions with Pyrrole: Experimental and Quantum Chemical Results. 2000 , 104, 3246-3256	84
2132	Cation-π Interaction Controlled Selective Geometric Photoisomerization of Diphenylcyclopropane. 2000 , 122, 4815-4816	50
2131	Synthesis of unsymmetrical diarylmethanes by cross-coupling between aryl triflates and tetrabutylammonium difluorotribenzylstannate. 2000 , 2, 1377-8	20
2130	Cation-π and amino-acceptor interactions between hydrated metal cations and DNA bases. A quantum-chemical view. 2000 , 17, 1087-96	28
2129	Salting Benzenes. 2000 , 104, 878-892	38

2128	Are n-BuLi/TMEDA-Mediated Arene Ortholithiations Directed? Substituent-Dependent Rates, Substituent-Independent Mechanisms. 2000 , 122, 8640-8647	89
2127	Origin of the high affinity and selectivity of novel receptors for NH ₄ ⁺ over K ⁺ : charged hydrogen bonds vs cation- π interaction. 2000 , 2, 2679-81	65
2126	Molecular Clusters of π -Systems: Theoretical Studies of Structures, Spectra, and Origin of Interaction Energies. <i>Chemical Reviews</i> , 2000 , 100, 4145-86	68.1 935
2125	Cation- π Interaction Promoted Aggregation of Aromatic Molecules and Energy Transfer within γ Zeolites. 2000 , 16, 4912-4921	44
2124	Complexation of Na ⁺ and K ⁺ to Aromatic Amino Acids: A Density Functional Computational Study of Cation- π Interactions. 2000 , 104, 8067-8074	150
2123	Experimental Evidence for Alkali-Metal Ion Cation- π Interactions Using Bibracchial Lariat Ether Complexes. 2000 , 39, 3436-3441	6
2122	Novel Binding Modes in Tetramethoxycalix[4]arene: π -Implications for Ligand Design. 2000 , 122, 10083-10089	48
2121	Cu ²⁺ -induced blue shift of the pyrene excimer emission: a new signal transduction mode of pyrene probes. 2001 , 3, 889-92	187
2120	The Literature of Heterocyclic Chemistry, Part VII: 1997-1999. 2001 , 79, 199-318	16
2119	Dyeing crystals. <i>Chemical Reviews</i> , 2001 , 101, 893-951	68.1 254
2118	Conduct-as-cast polymer monoliths as separation media for capillary electrochromatography. 2001 , 73, 849-56	123
2117	Molecular dynamics study of the IIA binding site in human serum albumin: influence of the protonation state of Lys195 and Lys199. 2001 , 44, 250-60	66
2116	The Origin of the Cation- π Interaction: The Significant Importance of the Induction in Li ⁺ and Na ⁺ Complexes. 2001 , 105, 769-773	209
2115	Photoelectron Spectroscopy of V _x (Coronene) _y and Ti _x (Coronene) _y Anions. 2001 , 105, 10093-10097	26
2114	Magnetic Properties of Carboxylate-Bridged Ferromagnetic Copper(II) Chains Coupled by Cation- π Interactions. 2001 , 105, 5039-5047	46
2113	The first structurally characterized hypervalent silicon hydride: unexpected molecular geometry and Si-H...K interactions. 2001 , 123, 7736-7	51
2112	Theoretical Insight into the Interactions of TMA-Benzene and TMA-Pyrrole with B3LYP Density-Functional Theory (DFT) and ab Initio Second Order Møller-Plesset Perturbation Theory (MP2) Calculations. 2001 , 105, 5431-5437	40
2111	Molecular Clusters: Potential Energy and Free Energy Surfaces. Quantum Chemical ab initio and Computer Simulation Studies. 2001 , 565-584	

2110	Structure-based design and synthesis of potent matrix metalloproteinase inhibitors derived from a 6H-1,3,4-thiadiazine scaffold. 2001 , 44, 3231-43	79
2109	The biological effects of structural variation at the meta position of the aromatic rings and at the end of the alkenyl chain in the alkenyldiarylmethane series of non-nucleoside reverse transcriptase inhibitors. 2001 , 44, 4092-113	33
2108	Hydrogen bonds with pi-acceptors in proteins: frequencies and role in stabilizing local 3D structures. 2001 , 305, 535-57	427
2107	Quantum/Classical Mechanical Comparison of Cation-π Interactions between Tetramethylammonium and Benzene. 2001 , 105, 1326-1333	63
2106	Mechanisms of tetraethylammonium ion block in the KcsA potassium channel. 2001 , 495, 191-6	73
2105	Colloidal Associates in the P-Octylphenol/NaOH / Water System and their Catalytic Properties at the Phosphorus Acid Decomposition. 2001 , 367, 573-583	
2104	Systematic structural coordination chemistry of p-tert-butyltetraethiacalix[4]arene: 1. Group 1 elements and congeners. 2001 , 40, 672-86	92
2103	Model systems for flavoenzyme activity. Control of flavin recognition via specific electrostatic interactions. 2001 , 3, 1531-4	33
2102	Cation-π interactions and the gas-phase thermochemistry of the Na(+)/phenylalanine complex. 2001 , 123, 8360-5	86
2101	Cyclic hexapeptides with free carboxylate groups as new receptors for monosaccharides. 2001 , 3, 2637-40	54
2100	Quantum Chemistry Investigation on the Dihydrogen Bond between Silicane and Ammonium. 2001 , 105, 426-431	15
2099	Design, formation and properties of tetrahedral M(4)L(4) and M(4)L(6) supramolecular clusters. 2001 , 123, 8923-38	247
2098	Electronic structure and properties of transition metal-benzene complexes. 2001 , 123, 3799-808	207
2097	Best Dioctahedral Smectite for Nitrogen Heterocyclics Adsorption A Reactivity Index Study. 2001 , 105, 10694-10701	38
2096	Solid-state evidence for π-complexation of sodium and potassium cations by carbon-carbon triple bonds. 2001 , 123, 9486-7	46
2095	Electronic Structure, Stability, and Nature of Bonding of the Complexes of C ₂ H ₂ and C ₂ H ₄ with H ⁺ , Li ⁺ , and Na ⁺ Ions. Extensive ab Initio and Density Functional Study. 2001 , 105, 7737-7744	12
2094	Charge Transfer Properties of Photosynthetic and Respiratory Proteins—this work was partially written at the Freie Universität Berlin, Department of Biology, Chemistry, and Pharmacy, Institute of Chemistry, Takustr. 6, 14195 Berlin (Germany) and The Scripps Research Institute, Department of Molecular Biology, 10550 N. Torrey Pines Rd., TPC-15, La Jolla, CA 92037 USA.. 2001 , 525-584	1
2093	Metal Ion-Assisted Weak Interactions Involving Biological Molecules. From Small Complexes to Metalloproteins. 2001 , 74, 1525-1545	65

2092	Molecular dynamics study of active-site interactions with tetracoordinate transients in acetylcholinesterase and its mutants. 2001 , 353, 645-53	3
2091	Molecular dynamics study of active-site interactions with tetracoordinate transients in acetylcholinesterase and its mutants. 2001 , 353, 645-653	9
2090	Controlled protonation of iron-molybdenum cofactor by nitrogenase: a structural and theoretical analysis. 2001 , 355, 569-76	70
2089	Synthesis and Electrochemical Properties of Bis([2.2]Metacyclophane) Bipyridinium. 2001 , 2001, 250-252	0
2088	Thermodynamics of Na ⁺ binding to coagulation serine proteases. 2001 , 90, 89-96	34
2087	Aldehyde dehydrogenase. Maintaining critical active site geometry at motif 8 in the class 3 enzyme. 2001 , 268, 722-6	33
2086	Cation-π Interactions in [Na(dibenzo-18-crown-6)] ₂ [Pd(SCN) ₄]. 2001 , 57, m127-m129	4
2085	A new cyclic tetrapeptide composed of alternating l-proline and 3-aminobenzoic acid subunits. 2001 , 42, 7555-7558	28
2084	Synthesis of biscalix[4]arene with enhanced binding ability to a cationic guest. 2001 , 42, 7465-7468	11
2083	Recent progress in the design and synthesis of artificial enzymes. 2001 , 57, 4663-4686	205
2082	A p-tert-butylcalix[6]arene capped with a triethanolamine-derived triple bridge. 2001 , 57, 4161-4165	11
2081	Studies on aromatic compounds. Part 2. Crystal structure and molecular modeling of 1,3-di-(9-anthracenecarboxyloxy)-2-methylpropane. 2001 , 569, 71-80	4
2080	anti-Selective Heck-type cyclotrimerization of polycyclic bromoalkenes. 2001 , 42, 3515-3518	26
2079	Chemoselective hydroperoxidation of alkenylarenes within thionin-supported zeolite Na-Y. 2001 , 42, 4545-4547	10
2078	Intra- and intermolecular interactions between a thiocarbonyl group and a pyridinium nucleus. 2001 , 42, 5497-5500	13
2077	Oxidative oligomerisation of 2-naphthol by cis-bis(glycinato)copper(II). 2001 , 166, 225-231	3
2076	The oligomer of 1,6-naphthalenediol as a support in oxidative reactions of cis-bisglycinato copper(II) and hydrogenperoxide. 2001 , 172, 19-23	15
2075	Associative ionization of excited sodium species with various ligands: assessing relative bonding strengths of ion-π and interactions. 2001 , 204, 247-253	9

- 2074 Complexation of transition metal ions M^+ ($M = \text{Fe, Co, Ni, Cu, Zn, Ag}$) by [2.n]paracyclophane-enes ($n = 3, 4, 5, 6$) in the gas phase: effect of the molecular cavity on the complexation capability. **2001**, 210-211, 311-325 8
- 2073 Solid state network formation in arene-Sidearmed lariat ether complexes: contrasting behavior of sodium, potassium, and calcium cation complexes. **2001**, 1, 157-163 7
- 2072 Complexation of arginine with a cyclopeptide in polar solvents and water. **2001**, 1, 293-297 7
- 2071 Gas-phase reactions of hydrated alkaline earth metal ions, $M^{2+}(\text{H}_2\text{O})_n$ ($M = \text{Mg, Ca, Sr, Ba}$ and $n = 4-7$), with benzene. **2001**, 12, 250-7 36
- 2070 The tethered agonist approach to mapping ion channel proteins--toward a structural model for the agonist binding site of the nicotinic acetylcholine receptor. **2001**, 8, 47-58 27
- 2069 Receptor properties of cyclic peptides composed of alternating natural amino acids and 3-aminobenzoic acid derivatives. **2001**, 18, 125-133 7
- 2068 Polyether-bridged cyclophanes incorporating bisphenol A units as neutral receptors for quats: synthesis, molecular structure and binding properties. **2001**, 14, 425-431 5
- 2067 Synthesis and characterization of new aromatic tweezers and complex formation with tropylium ion in 1,2-dichloroethane. **2001**, 14, 551-558 4
- 2066 Gas phase attachment of water and methanol to Ag(I) complexes with alpha-amino acids in an ion trap mass spectrometer. **2001**, 15, 615-22 47
- 2065 Stabilization of alpha-helix structure by polar side-chain interactions: complex salt bridges, cation-pi interactions, and C-H...O H-bonds. **2001**, 60, 366-80 62
- 2064 Location of Pinacyanol in Micellar Solutions of N-Alkyl Trimethylammonium Bromide Surfactants. **2001**, 233, 205-210 44
- 2063 Configuration interaction and density functional study of the influence of lithium cation complexation on vertical and adiabatic excitation energies of enones. **2001**, 22, 1598-1604 12
- 2062 Silicon-oxygen-bonded oligomers having thermoelectric switching properties. **2001**, 15, 693-698 1
- 2061 Intramolecular Metal Ligand Aromatic Cation...Interactions in Crystal Structures of Transition Metal Complexes. **2001**, 2001, 2143-2150 15
- 2060 Fine Tuning of the Cation Affinity of Artificial Receptors Based on Cyclic Peptides by Intramolecular Conformational Control. **2001**, 2001, 311-322 34
- 2059 Inclusion of Organic Cations by Calix[4]arenes Bearing Cyclohepta-2,4,6-trienyl Substituents. **2001**, 2001, 1549-1561 14
- 2058 Organische Nanoröhren durch Selbstorganisation. **2001**, 113, 1016-1041 206
- 2057 A Rationally Designed NH_4^+ Receptor Based on Cation...Interaction and Hydrogen Bonding. **2001**, 113, 2174-2177 2

2056	Self-Assembling Cyclic Peptide Cylinders as Nuclei for Crystal Engineering. 2001 , 113, 2221-2224	8
2055	Ligandengesteuerte Ionenkanäle. 2001 , 113, 3194-3211	9
2054	Noyoris Hydrierungskatalysator braucht für hohe Aktivitäten einen Lewis-sauren Cokatalysator. 2001 , 113, 3693-3697	29
2053	Influence of highly preorganised 7,7-diphenylnorbornane in the free energy of edge-to-face aromatic interactions. 2001 , 7, 1171-5	26
2052	The pi complexation of alkali and alkaline earth ions by the use of meso-octaalkylporphyrinogen and aromatic hydrocarbons. 2001 , 7, 1322-32	30
2051	A supramolecular system for quantifying aromatic stacking interactions. 2001 , 7, 4863-77	74
2050	Self-Assembling Organic Nanotubes. 2001 , 40, 988-1011	944
2049	A Rationally Designed NH Receptor Based on Cation- π Interaction and Hydrogen Bonding. 2001 , 40, 2116-2119	37
2048	Self-Assembling Cyclic Peptide Cylinders as Nuclei for Crystal Engineering. 2001 , 40, 2163-2166	50
2047	Ligand-Gated Ion Channels. 2001 , 40, 3100-3116	64
2046	Noncovalent interaction or chemical bonding between alkaline earth cations and benzene? A quantum chemistry study using MP2 and density-functional theory methods. 2001 , 349, 113-122	47
2045	Crystal structure and exchange pathways of the complex I-(tryptophyl-glycinato)copper(II). 2001 , 312, 133-138	27
2044	Role of electronic polarization on the liquid phase affinity of calixarene-crown-ethers towards alkali cations: a QM/MM molecular dynamics simulation. 2001 , 272, 47-59	11
2043	Synthesis and supramolecular structures of molecular clips. 2001 , 57, 3673-3687	57
2042	Regio- and stereoselective synthesis of 1,4-dihydropyridines by way of an intramolecular interaction of a thiocarbonyl or carbonyl with a pyridinium nucleus. 2001 , 57, 8939-8949	36
2041	Polarization-corrected molecular electrostatic potential for the cation binding problem. 2001 , 340, 604-610	4
2040	Components of the interaction energy of benzene with Na ⁺ and methylammonium cations. 2001 , 537, 163-172	15
2039	Assessment of cation- π binding affinity of the aromatic ring in several chloroquine analogs and related antimalarials using the ab initio quantum chemical (6-31G**) theory. 2001 , 549, 27-37	6

2038	Lead Isotopes as Age-Sensitive, Genetic Markers in Hydrocarbons: 1. Copartitioning of Lead with MTBE into Water and Implications for MTBE-Source Correlations. 2001 , 8, 242-250	10
2037	Solution conformation of alpha-conotoxin EI, a neuromuscular toxin specific for the alpha 1/delta subunit interface of torpedo nicotinic acetylcholine receptor. 2001 , 276, 49028-33	26
2036	Experimental and Computational Study of Complexes Between Quats and Naphthalenophanes. 2001 , 13, 313-323	1
2035	Spectroscopy of Nin(benzene)m anion complexes. 2002 , 117, 5234-5239	32
2034	Caging of Ni clusters by benzene molecules and its effect on the magnetism of Ni clusters. 2002 , 116, 1343-1349	45
2033	Microsolvation of small anions by aromatic molecules: An exploratory study. 2002 , 116, 9663-9671	26
2032	Substituent effects on cation-pi interactions: a quantitative study. 2002 , 99, 4873-6	109
2031	Water-Soluble Calixarenes. 2001 , 440-456	
2030	Quantum Chemical Calculations on Alkali Metal Complexes. 2001 , 334-345	
2029	Molecular Dynamics of Cation Complexation and Extraction. 2001 , 312-333	
2028	Homooxa- and Homoaza-Calixarenes. 2001 , 235-249	4
2027	Orientation of d-tubocurarine in the muscle nicotinic acetylcholine receptor-binding site. 2002 , 277, 42249-58	20
2026	Probing the energetic and structural role of amino acid/nucleobase cation-pi interactions in protein-ligand complexes. 2002 , 277, 40816-22	67
2025	Calixarenes 2001. 2002 ,	186
2024	The local electrostatic environment determines cysteine reactivity of tubulin. 2002 , 277, 29018-27	85
2023	Molecular structures of cation...pi(arene) interactions for alkali metals with pi- and sigma-modalities. 2002 , 124, 8329-36	71
2022	Dichloro-bis(2-chloro-2-phenyl-vinyl)Te(IV) and dibromo-bis(2-bromo-2-phenyl-vinyl)Te(IV): supramolecular self-assembly through different Earyl interactions. 2002 , 217, 609-613	13
2021	Selectively Modified Calix[5]arenes. 2001 , 54-70	1

2020	Probing alkali metal-pi interactions with the side chain residue of tryptophan. 2002 , 99, 5121-6	56
2019	Coordination of sodium cation to an oxygen function and olefinic double bond to form molecular adduct ion in fast atom bombardment mass spectrometry. 2002 , 50, 935-40	11
2018	[Interaction between acyclic phenol--formaldehyde oligomers and quaternary ammonium ions]. 2002 , 122, 413-7	13
2017	Synthesis and Binding Studies of Bowl-Shaped Hosts for Quaternary Ammoniums. 2002 , 31, 1166-1167	1
2016	Roles of specific extracellular domains of the glucagon receptor in ligand binding and signaling. 2002 , 41, 11795-803	41
2015	Cation-pi interaction in model alpha-helical peptides. 2002 , 124, 3284-91	130
2014	Shape recognition of alkylammonium ions by 1,3-bridged calix[5]arene crown-6 ethers: endo- vs exo-cavity complexation. 2002 , 67, 684-92	53
2013	Organoaluminates with Three Terminal Phenylethynyl Groups and Their Interactions with Alkali Metal Cations□ 2002 , 21, 1300-1303	26
2012	A general and straightforward route toward diarylmethanes. Integrated cross-coupling reactions using (2-pyridyl)silylmethylstannane as an air-stable, storable, and versatile coupling platform. 2002 , 4, 3635-8	62
2011	Influence of Substituents on Cation□Interactions. 1. Absolute Binding Energies of Alkali Metal Cation□Toluene Complexes Determined by Threshold Collision-Induced Dissociation and Theoretical Studies. 2002 , 106, 5529-5539	76
2010	The Relationship between Binding Models of TMA with Furan and Imidazole and the Molecular Electrostatic Potentials: DFT and MP2 Computational Studies. 2002 , 106, 157-164	14
2009	Computational Probes into the Basis of Silver Ion Chromatography. II. Silver(I)□Olefin Complexes. 2002 , 106, 11197-11204	33
2008	Thionin-sensitized intrazeolite photooxygenation of trisubstituted alkenes: substituent effects on the regioselectivity as probed through isotopic labeling. 2002 , 67, 8758-63	25
2007	Theoretical Calculation of Gas-Phase Sodium Binding Energies of Common MALDI Matrices. 2002 , 106, 6610-6617	33
2006	Understanding the catalytic mechanism of GTPase-activating proteins: demonstration of the importance of switch domain stabilization in the stimulation of GTP hydrolysis. 2002 , 41, 15644-53	33
2005	Binding of Transition-Metal Ions to Curved □Surfaces: Corannulene and Coronene□ 2002 , 106, 9809-9819	82
2004	The indole side chain of tryptophan as a versatile pi-donor. 2002 , 124, 10940-1	32
2003	A new type of ionophore family utilizing the cation-olefinic pi interaction: theoretical study of [n]beltenes. 2002 , 67, 1848-51	24

2002	A comprehensive investigation of the chemistry and basicity of a parent amidoruthenium complex. 2002 , 124, 4722-37	92
2001	Infrared spectra of gas-phase V(+)-(benzene) and V(+)-(benzene) ₂ complexes. 2002 , 124, 1562-3	97
2000	Selection and amplification of hosts from dynamic combinatorial libraries of macrocyclic disulfides. 2002 , 297, 590-3	312
1999	Complexation of Calix[4]arene With Alkali Metal Cations: Conformational Binding Selectivity and Cation-Driven Inclusion. 2002 , 14, 57-66	40
1998	Ab initio studies on the van der Waals complexes of polycyclic aromatic hydrocarbons. I. Benzene- β -naphthalene complex. 2002 , 116, 7902-7909	36
1997	Cation- π interactions: an energy decomposition analysis and its implication in delta-opioid receptor-ligand binding. 2002 , 124, 4832-7	129
1996	Face-selective addition to a cation- π complex of a pyridinium salt: synthesis of chiral 1,4-dihydropyridines. 2002 , 124, 8184-5	120
1995	Metal- β -amino acid chemistry. Weak interactions and related functions of side chain groups. 2002 , 3411-3421	175
1994	Artificial Receptors for Chemosensors. 2002 , 331-368	4
1993	Tellurium- π -aryl interactions: a new bonding motif for supramolecular self-assembly and crystal engineering. 2002 , 4, 178-193	78
1992	Counterion Effects on the Cation- π Interaction between Alkaline Earth Cations and Benzene. 2002 , 106, 11215-11220	27
1991	Influence of Substituents on Cation- π Interactions. 2. Absolute Binding Energies of Alkali Metal Cation-Fluorobenzene Complexes Determined by Threshold Collision-Induced Dissociation and Theoretical Studies. 2002 , 106, 9092-9103	57
1990	The Influence of Substituents on Cation- π Interactions. 4. Absolute Binding Energies of Alkali Metal Cation-Phenol Complexes Determined by Threshold Collision-Induced Dissociation and Theoretical Studies. 2002 , 106, 9718-9728	74
1989	Group Transfer Reactions: Hydrolysis, Amination, Phosphorylation. 2002 , 39-94	
1988	Metal Cation Binding to Phenol: DFT Comparison of the Competing Sites. 2002 , 106, 7328-7337	90
1987	Lariat ether receptor systems show experimental evidence for alkali metal cation- π interactions. 2002 , 35, 878-86	202
1986	Efficient NMR enantiodifferentiation of chiral quats with BINPHAT anion. 2002 , 4, 1351-4	38
1985	Sodium cation complexation behavior of the heteroaromatic sidechains of histidine and tryptophan. 2002 , 1810-1	24

1984	Light-induced geometric isomerization of 1,2-diphenylcyclopropanes included within Y zeolites: role of cation-guest binding. 2002 , 67, 8711-20	25
1983	Cation-pi interactions in ligand recognition by serotonergic (5-HT _{3A}) and nicotinic acetylcholine receptors: the anomalous binding properties of nicotine. 2002 , 41, 10262-9	259
1982	Carboxylates stacked over aromatic rings promote salt bridge formation in water. 2002 , 124, 442-9	54
1981	sigma-donor, pi-donor, and anion competition in pi-complexation of alkali metal cations. 2002 , 1808-9	25
1980	Alkali Metal Cation-Interactions Stabilized Solely by [M{N(SiMe ₃) ₂ }] ₃ - Anions (M = Mg or Zn): The Competing Influence of Alkali Metal-C(Me) Agostic Interactions. 2002 , 21, 5115-5121	86
1979	Novel Amphi-ionophore in Aqueous Solution: Cyclohexaalanyl. 2002 , 106, 2061-2064	34
1978	Theoretical study of alkyl-pi and aryl-pi interactions. Reconciling theory and experiment. 2002 , 67, 7057-65	101
1977	Encapsulation of diquats by resorcinarenes: a novel staggered anion-solvent mediated hydrogen bonded capsule. 2002 , 1902-3	72
1976	Tetraethylammonium binding to the outer mouth of the KcsA potassium channel: implications for ion permeation. 2002 , 22, 315-31	17
1975	Calcium cation complexation by lariat ether receptors having arene-terminated sidearms. 2002 , 1806-7	22
1974	Infrared spectroscopy to probe structure and growth dynamics in Fe ⁺ -(CO) ₂ _n clusters. 2002 , 117, 2120-2130	73
1973	X-ray structure determination of the cytochrome c ₂ : reaction center electron transfer complex from Rhodobacter sphaeroides. 2002 , 319, 501-15	132
1972	Cation-pi/H-bond stair motifs at protein-DNA interfaces. 2002 , 319, 67-76	112
1971	Activity and NMR structure of synthetic peptides of the bovine ATPase inhibitor protein, IF1. 2002 , 23, 2127-41	7
1970	Cation-pi interactions in ligand recognition and catalysis. 2002 , 23, 281-7	386
1969	Alkali and alkaline-earth-metalated forms of calix[4]arenes: synthons in the synthesis of transition metal complexes. 2002 , 8, 2072-80	58
1968	The "cap-binding slot" of an mRNA cap-binding protein: quantitative effects of aromatic side chain choice in the double-stacking sandwich with cap. 2002 , 41, 7677-87	35
1967	Molecular modeling of novel 1H-pyrazolo[3,4-b]pyridine derivatives designed as isosters of the antimalarial mefloquine. 2002 , 579, 31-39	27

1966	Lead Isotopes as Age-Sensitive, Genetic Markers in Hydrocarbons: 2. Kerogens, Crude Oils, and Unleaded Gasoline. 2002 , 9, 1-7	11
1965	Mono- and Binuclear Rhodium and Platinum Complexes of 1, 3, 5-Trimethyl-1, 3, 5-triaza-2 $\beta\beta$ -phosphorin-4, 6-dionyloxy-substituted Calix[4]arenes. 2002 , 628, 545-552	4
1964	De Novo Protein Surface Design: Use of Cation π Interactions to Enhance Binding between an α -Helical Peptide and a Cationic Molecule in 50 % Aqueous Solution. 2002 , 114, 125-127	8
1963	Die Wasserstoffbrücke im Festkörper. 2002 , 114, 50-80	595
1962	Self-Assembled Receptors for Enantioselective Recognition of Chiral Carboxylic Acids in a Highly Cooperative Manner. 2002 , 114, 2004	9
1961	Ansätze zur Beschreibung und Vorhersage der Bindungsaffinität niedermolekularer Liganden an makromolekulare Rezeptoren. 2002 , 114, 2764-2798	34
1960	Towards synthetic adrenaline receptors--shape-selective adrenaline recognition in water. 2002 , 8, 1485-99	46
1959	Allosteric Binding of an Ag ⁺ Ion to Cerium(IV) Bis-porphyrinates Enhances the Rotational Activity of Porphyrin Ligands. 2002 , 8, 5541-5550	79
1958	De novo protein surface design: use of cation-pi interactions to enhance binding between an alpha-helical peptide and a cationic molecule in 50 % aqueous solution. 2002 , 41, 117-9	44
1957	The hydrogen bond in the solid state. 2002 , 41, 49-76	4621
1956	Selective complexation of N-alkylpyridinium salts: recognition of NAD ⁺ in water. 2002 , 41, 1355-8	39
1955	Additivity and quantification of dispersive interactions--from cyclopropyl to nitro groups: measurements on porphyrin derivatives. 2002 , 41, 1368-70	50
1954	Self-assembled receptors for enantioselective recognition of chiral carboxylic acids in a highly cooperative manner. 2002 , 41, 1924-9	57
1953	Approaches to the description and prediction of the binding affinity of small-molecule ligands to macromolecular receptors. 2002 , 41, 2644-76	595
1952	A Thin-Film Electrochromic Device Based on a Polyoxometalate Cluster. <i>Advanced Materials</i> , 2002 , 14, 225-228	24 227
1951	Evidence Based on Crystal Structures and Calculations of a C π π Interaction Between an Organic Moiety and a Chelate Ring in Transition Metal Complexes. 2002 , 2002, 1599-1602	77
1950	Synthesis, Structures, and Redox Properties of Copper Complexes with Chiral and Achiral Amino Acid Derived Ligands. 2002 , 2002, 1839-1847	10
1949	Investigation of homo- and heterodimer alkali metal cation complexes of resorc[4]arenes by electrospray ionization mass spectrometry. 2002 , 37, 63-8	29

1948	Cation- π interaction in a folded polypeptide. 2002 , 63, 261-72	44
1947	New structural insights from Raman spectroscopy of proteins and their assemblies. 2002 , 67, 214-25	74
1946	Molecular determinants of glucagon receptor signaling. 2002 , 66, 218-35	33
1945	The sterol C-14 reductase encoded by the <i>Neurospora crassa</i> erg-3 gene: essential charged and polar residues identified by site-specific mutagenesis. 2002 , 266, 787-95	7
1944	A designed P1 cysteine mimetic for covalent and non-covalent inhibitors of HCV NS3 protease. 2002 , 12, 701-4	144
1943	Structural effects on the NaOCl epoxidation of styrene in micellar media catalysed by amphiphilised Mn(III)metalloporphyrins. 2002 , 179, 125-131	15
1942	Polyphenolic compounds: an overview. 2002 , 52, 163-188	99
1941	Gas-phase lithium-cation basicities of some benzene derivatives: An experimental and theoretical study. 2002 , 219, 445-456	43
1940	Interaction of MALDI matrix molecules with Na ⁺ in the gas phase. 2002 , 219, 577-592	23
1939	A fluoroionophore for detection of potassium ions: 9-anthryl-substituted azacrown ether covalently linked to a 1,3-alternate calix[4]arene. 2002 , 152, 33-40	29
1938	Cation controlled singlet oxygen mediated oxidation of olefins within zeolites. 2002 , 153, 55-65	20
1937	Fragmentation of phosphopeptides by atmospheric pressure MALDI and ESI/Ion trap mass spectrometry. 2002 , 13, 274-83	66
1936	Reactivity and binding energies of transition metal halide ions with benzene. 2002 , 13, 477-84	25
1935	Ligand-receptor interaction at the neural nicotinic acetylcholine binding site: a theoretical model. 2002 , 21, 111-8	25
1934	Mixed cobalt(III) complexes with aromatic amino acids and diamines. III. Absolute structure of Lambda-trans(O)-(1,2-diaminoethane-kappa(2)N,N)bis(S-tyrosinato)cobalt(III) chloride tetrahydrate. 2002 , 58, m338-40	6
1933	Concanavalin A in a dimeric crystal form: revisiting structural accuracy and molecular flexibility. 2002 , 58, 735-43	34
1932	Structures of two histidine ammonia-lyase modifications and implications for the catalytic mechanism. 2002 , 269, 1790-7	30
1931	Cation- π interactions between ammonium ion and aromatic rings: an energy decomposition study. 2002 , 587, 177-188	43

- 1930 ortho-Methylene linked di- and triphenols and their uranyl ion complexes: a crystallographic investigation. **2002**, 21, 1949-1956 6
- 1929 The nature of the receptor site for the reversible K⁺ channel blocking by aminopyridines. **2002**, 96, 1-14 30
- 1928 Non-classical helix-stabilizing interactions: C-H...O H-bonding between Phe and Glu side chains in alpha-helical peptides. **2002**, 101-102, 267-79 24
- 1927 Molecular tweezers as synthetic receptors: the effect of pressure and temperature on the formation of host-guest complexes. **2002**, 15, 189-196 21
- 1926 Interactions of chiral quinuclidin-3-yl benzoates with butyrylcholinesterase: kinetic study and docking simulations. **2002**, 15, 608-614 3
- 1925 Ab Initio studies of aryl π and π-complexes: neutral and charged electrophiles. **2002**, 15, 347-352 7
- 1924 Aluminum (III) interactions with the side chains of aromatic aminoacids. **2002**, 90, 859-881 17
- 1923 Mg(H₂O)₆²⁺(cytosine) interactions in a DNA dodecamer*. **2002**, 88, 236-243 8
- 1922 Theoretical study of metal ligand aromatic cation-π interactions of [Co(NH₃)₆]³⁺ with benzene. **2002**, 87, 354-359 5
- 1921 Aromatic side-chain interactions in proteins. I. Main structural features. **2002**, 48, 628-34 77
- 1920 The syntheses and Ag⁺-selective electrode properties of benzothiazolythiaalkoxy functionalized calix[4]arenes: an investigation of the structure-selectivity relationship in the ionophore-based ISEs. **2002**, 58, 2647-2658 31
- 1919 Intermolecular interactions in the crystalline state of some organotellurium antioxidants. **2002**, 609, 47-54 7
- 1918 Influence of quadrupolar interactions on the crystal packing of organic compounds: the pentafluorophenyl ester of a tricyclic π,π-unsaturated β-amino acid. **2002**, 641, 101-107 12
- 1917 Stereoselective synthesis of 1,2- and 1,4-dihydropyridines by using cation-π interaction as a conformation-controlling tool. **2002**, 43, 5853-5857 12
- 1916 Guest-induced capsular assembly of calix[5]arenes. **2002**, 43, 7663-7667 33
- 1915 Scanning the prime-site substrate specificity of proteolytic enzymes: a novel assay based on ligand-enhanced lanthanide ion fluorescence. **2002**, 12, 3619-23 22
- 1914 Molecular docking and 3-D-QSAR studies on the possible antimalarial mechanism of artemisinin analogues. **2002**, 10, 2883-91 53
- 1913 Silver(I) complexes of dibenzo-18-crown-6-ether having cation-π and π interactions. **2002**, 332, 18-24 19

1912	Dinuclear silver(I) complexes of dibenzo-crown ethers and the mononuclear complex of aminobenzo-crown ether. 2002 , 338, 111-118	14
1911	Conformational preference of the side chain aromatic ring in Cu(II) and Pd(II) complexes of 2N1O-donor ligands. 2002 , 337, 193-202	27
1910	Attractive ligand-ligand interactions involving aromatic rings in five-coordinate ternary copper(II) complexes with a dipeptide and a bidentate N-donor ligand. 2002 , 339, 445-454	14
1909	Review of binding methods and detection of Al(III) binding events in trypsin and DL-DPPC liposomes by a general thermodynamic model. 2002 , 228, 343-363	17
1908	A Gaussian-3 (G3) theoretical study of the interactions between alkali metal cations and polyhydroxyl ligands. 2002 , 359, 500-506	15
1907	The infrared spectrum of Al+Benzene in the gas phase. 2002 , 364, 345-351	35
1906	The interaction model between metal cation and tropylium: a quantum chemistry predication. 2002 , 366, 267-273	8
1905	Hydrogenation without a transition-metal catalyst: on the mechanism of the base-catalyzed hydrogenation of ketones. 2002 , 124, 8693-8	141
1904	3D-QSAR and molecular modeling of HIV-1 integrase inhibitors. 2002 , 16, 181-200	15
1903	π -Type and σ -Type cation- π complexes of atomic cations. 2002 , 28, 41-48	5
1902	Binding of acetylcholine and tetramethylammonium to a cyclophane receptor: anion's contribution to the cation- π interaction. 2002 , 124, 8307-15	107
1901	Thermodynamic conformational analysis and structural stability of the nicotinic analgesic ABT-594. 2003 , 17, 713-24	4
1900	A ratiometric fluorescent sensor for Ag(I) with high selectivity and sensitivity. 2003 , 125, 2884-5	265
1899	Unnatural amino acid mutagenesis in mapping ion channel function. 2003 , 13, 264-70	91
1898	Inhibition of cholinesterases with cationic phosphonyl oximes highlights distinctive properties of the charged pyridine groups of quaternary oxime reactivators. 2003 , 66, 191-202	83
1897	A topological analysis of the electron density in anion- π interactions. 2003 , 4, 1344-8	181
1896	Metal Ligand Aromatic Cation- π Interactions. 2003 , 2003, 2197-2209	69
1895	Crystal Structure of Bis[acetone-1-naphthoylhydrazinato(π)]copper(II) and Investigations of Intermolecular Interactions. 2003 , 2003, 1222-1226	31

1894	Quantitative Four-State Conformational Analysis by Ring Current NMR Anisotropy: A Family of Molecules Capable of Intramolecular π -Stacking. 2003 , 2003, 3861-3867	2
1893	Nonclassical transport proteins and peptides: an alternative to classical macromolecule delivery systems. 2003 , 92, 1754-72	26
1892	Fluorinated DNA Bases as Probes of Electrostatic Effects in DNA Base Stacking. 2003 , 115, 6155-6159	19
1891	Wechselwirkungen mit aromatischen Ringen in chemischen und biologischen Erkennungsprozessen. 2003 , 115, 1244-1287	499
1890	Enhanced Li ⁺ binding energies in alkylbenzene derivatives: the scorpion effect. 2003 , 9, 4330-8	27
1889	Fluorinated DNA bases as probes of electrostatic effects in DNA base stacking. 2003 , 42, 5973-7	62
1888	Interactions with aromatic rings in chemical and biological recognition. 2003 , 42, 1210-50	2904
1887	Raman structural markers of tryptophan and histidine side chains in proteins. 2003 , 72, 305-17	151
1886	Structural model of the voltage-gated potassium channel Kv1.1 and molecular docking of Tc1 toxin from <i>Tityus cambridgei</i> to KcsA and Kv1.1. 2003 , 381, 592-597	6
1885	Intramolecular noncovalent force in cyclic amidines: nonbonded interaction between carbon atoms and heteroatoms. 2003 , 372, 489-496	5
1884	Singly bridged double resorcin[4]arene bearing sixteen hydroxyl groups. Formation of capsular-type inclusion complexes in methanol. 2003 , 44, 7425-7427	9
1883	Selective double Suzuki cross-coupling reactions. Synthesis of unsymmetrical diaryl (or heteroaryl) methanes. 2003 , 44, 9255-9258	65
1882	Microcalorimetric studies of the mechanism of interaction between designed peptides and hydrophobic adsorbents. 2003 , 263, 23-8	13
1881	Cation- π Interactions of curved polycyclic systems: M ⁺ (M=Li and Na) ion complexation with buckybowls. 2003 , 44, 6043-6046	70
1880	A novel one-pot, three-component reaction: formation of tricyclic 1,2-dihydropyridines via mesomeric betaines. 2003 , 44, 7365-7367	4
1879	The cation- π cloud interaction and the zeolite basicity concept. 2003 , 44, 7299-7302	7
1878	NMR-Spectroscopic, computational and mass-spectrometric investigations on the cis/trans analogues of 2,3,4-trihydronaphthalene-1-one. 2003 , 59, 1309-1316	3
1877	Intermolecular oxygen atom- π interaction in the crystal packing of chiral amino alcohol bearing a pentafluorophenyl group. 2003 , 122, 201-205	38

1876	Synthesis of 5,5,6,6,21,21,22,22-octamethyl-5,6,21,22-tetragerma[10.10]paracyclophane. 2003 , 678, 61-67	5
1875	Ab initio molecular modeling of imadazolium interaction with 5-hydroxy- and 5-methoxyindole: implications for melatonin-based inhibition of Alzheimer amyloid fibril formation. 2003 , 626, 279-285	7
1874	Neutral and anionic transition metal complexes supported by decafluorodiphenylamido ligands: X-ray crystal structures of {Na(THF) ₂ }{Ti[N(C ₆ F ₅) ₂] ₄ }, {K(18-C ₆ H ₅ Me) ₂ }{ZrCl ₂ [N(C ₆ F ₅) ₂] ₃ }, K{VCl[N(C ₆ F ₅) ₂] ₃ }, Fe[N(C ₆ F ₅) ₂] ₂ (THF) ₂ and Co[N(C ₆ F ₅) ₂] ₂ (py) ₂ . 2003 , 22, 153-163	15
1873	Rational modelling of the voltage-dependent K ⁺ channel inactivation by aminopyridines. 2003 , 104, 417-27	18
1872	The oligomer of 1,2,3-trihydroxybenzene with benzaldehyde. 2003 , 55, 319-332	2
1871	The gas-phase chemistry of iron cations coordinated to benzene and the extended aromatic coronene. 2003 , 223-224, 411-425	17
1870	Influence of substituents on cation-π interactions: 5. Absolute binding energies of alkali metal cation-π isole complexes determined by threshold collision-induced dissociation and theoretical studies. 2003 , 222, 431-450	64
1869	Cation-π interactions with a model for an extended π network. 2003 , 227, 1-20	44
1868	Competition between π and σ based interactions in metal ion complexes of the phenyl radical. 2003 , 227, 33-46	19
1867	Gas-phase kinetic measurements and quantum chemical calculations of the ligation of Ni ⁺ , Cu ⁺ , Ni ⁺ (pyrrole) _{1,2} and Cu ⁺ (pyrrole) _{1,2} with O ₂ and CO. 2003 , 227, 161-173	10
1866	Influence of substituents on cation-π interactions. 3.: Absolute binding energies of alkali metal cation-π aniline complexes determined by threshold collision-induced dissociation and theoretical studies. 2003 , 227, 339-360	54
1865	Proton-induced intra-complex hydride transfer involving bicyclo[2.2.2]octane units as a rigid spacer and as a carbocation precursor. 2003 , 228, 321-339	7
1864	Zeolite photochemistry: impact of zeolites on photochemistry and feedback from photochemistry to zeolite science. 2003 , 4, 19-49	167
1863	Self assembly in micelles combining stacking and H-bonding. 2003 , 8, 55-61	57
1862	Design and synthesis of spiro-cyclopentenyl and spiro-[1,3]-dithiolanyl substituted pyrrolidine-5,5-trans-lactams as inhibitors of hepatitis C virus NS3/4A protease. 2003 , 13, 1657-60	6
1861	Lithium-cation/π complexes of aromatic systems. The effect of increasing the number of fused rings. 2003 , 125, 10394-401	78
1860	Interaction of chlorisondamine with the neuronal nicotinic acetylcholine receptor. 2003 , 2, 207-12	19
1859	Cation-π interactions as a tool to enhance the power of a chiral auxiliary during asymmetric photoreactions within zeolites. 2003 , 116-7	28

1858	Is the Cation- π Interaction in Alkaline-Earth-Metal Dication/Benzene Complexes a Covalent Interaction?. 2003 , 107, 10414-10418	48
1857	Cation- π Interactions in the Gas Phase Methylation of π - π Diphenylalkanes. 2003 , 107, 4619-4624	10
1856	Reversible Color Change of Chromophores in Zeolites by Direct Interaction with Alkali Metal Cations. 2003 , 19, 1987-1989	13
1855	Asymmetric photoreactions within zeolites: role of confinement and alkali metal ions. 2003 , 36, 509-21	156
1854	HIV-1 vaccine development: constrained peptide immunogens show improved binding to the anti-HIV-1 gp41 MAb. 2003 , 42, 3214-23	93
1853	A Comparative Study of Cation and Anion Cluster Reaction Products: The Reaction Mechanisms of Lead Clusters with Benzene in Gas Phase. 2003 , 107, 8484-8491	21
1852	Reversible Change in Optical Properties of Chromophores in Zeolites by Interaction with Alkali Metal Cations. 2003 , 15, 4598-4603	9
1851	Impact of multiple cation- π interactions upon calix[4]arene substrate binding and specificity. 2003 , 125, 2351-60	71
1850	Dual binding mode of s-triazine to anions and cations. 2003 , 5, 2227-9	69
1849	Complex Formation of Fe(II) and Fe(III) Ions with Octafunctionalized C-Methyl-calix[4]resorcinarene Possessing DCH_2COOH (K) Moieties. 2003 , 107, 4727-4731	17
1848	Cation- π Interactions: A Theoretical Investigation of the Interaction of Metallic and Organic Cations with Alkenes, Arenes, and Heteroarenes. 2003 , 107, 1228-1238	212
1847	Cross-modulation of the pKa of nucleobases in a single-stranded hexameric-RNA due to tandem electrostatic nearest-neighbor interactions. 2003 , 125, 9948-61	20
1846	Gas-Phase Potassium Binding Energies of MALDI Matrices: An Experimental and Theoretical Study. 2003 , 107, 6891-6900	12
1845	Infrared Photodissociation Spectroscopy of $\text{Mg}^+(\text{CO}_2)_n$ and $\text{Mg}^+(\text{CO}_2)_n\text{Ar}$ Clusters. 2003 , 107, 218-227	68
1844	Infrared spectroscopy to probe structure and dynamics in metal ion-molecule complexes. 2003 , 22, 407-435	328
1843	Binding structures and potencies of oxidosqualene cyclase inhibitors with the homologous squalene-hopene cyclase. 2003 , 46, 2083-92	43
1842	Conceptual density functional theory. <i>Chemical Reviews</i> , 2003 , 103, 1793-873	68.1 3328
1841	Crystal structures of methionine adenosyltransferase complexed with substrates and products reveal the methionine-ATP recognition and give insights into the catalytic mechanism. 2003 , 331, 407-16	42

1840	Effects of pathological mutations on the stability of a conserved amino acid triad in retinoschisin. 2003 , 544, 21-6	28
1839	Roles of the histidine and tryptophan side chains in the M2 proton channel from influenza A virus. 2003 , 552, 35-8	41
1838	Orientation and interactions of an essential tryptophan (Trp-38) in the capsid subunit of Pf3 filamentous virus. 2003 , 84, 1969-76	21
1837	Application of Two-Dimensional Correlation Infrared Spectroscopy to the Study of Miscible Polymer Blends. 2003 , 36, 8156-8163	34
1836	Molecular ordering of organic molten salts triggered by single-walled carbon nanotubes. 2003 , 300, 2072-4	1178
1835	Multidimensional frameworks assembled from silver(I) coordination polymers containing flexible bis(thioquinolyl) ligands: role of the intra- and intermolecular aromatic stacking interactions. 2003 , 42, 3738-50	115
1834	Structural basis for bile acid binding and activation of the nuclear receptor FXR. 2003 , 11, 1093-100	232
1833	Solid State Calix[4]arene Tubular Assemblies Based on Cation- π Interactions. 2003 , 15, 353-357	14
1832	Alkali Ion-Controlled Excited-State Ordering of Acetophenones Included in Zeolites: Emission, Solid-State NMR, and Computational Studies 2003 , 107, 3187-3198	18
1831	Acetylcholinesterase complexed with bivalent ligands related to huperzine a: experimental evidence for species-dependent protein-ligand complementarity. 2003 , 125, 363-73	86
1830	Molecular tweezers and clips as synthetic receptors. Molecular recognition and dynamics in receptor-substrate complexes. 2003 , 36, 919-32	339
1829	Basis Set and Electron Correlation Effects on ab Initio Calculations of Cation- π -H-Bond Stair Motifs. 2003 , 107, 6249-6258	43
1828	UV band Splitting of chromogenic azo-coupled calix[4]crown upon cation complexation. 2003 , 68, 1933-7	63
1827	Crystal Structures of Uranyl Ion Complexes of Tetrahydroxy[3.1.3.1]metacyclophane (Homocalix[4]arene). 2003 , 15, 359-365	13
1826	Kinetic and thermodynamic consequences of the substitution of SMe for OMe substituents of cryptophane hosts on the binding of neutral and cationic guests. 2003 , 1, 2207-16	39
1825	Compensation of steric demand by cation- π interactions, cobaltocenium cations as guests in tetraurea calix[4]arene dimers. 2003 , 1, 2011-4	43
1824	Complexation of silver and co-recovered metals with novel aza-crown ether macrocycles by electrospray ionization mass spectrometry. 2003 , 128, 1352-9	24
1823	Solution complexation between potassium iodide and lariat ethers having π -donor sidearms. 2003 , 2536-7	9

1822	Differentiation of Cation-Bonding from Cation-Intermolecular Interactions: A Quantum Chemistry Study Using Density-Functional Theory and Morokuma Decomposition Methods. 2003 , 107, 2296-2303	79
1821	Evidence for tryptophan residues in the cation transport path of the Na(+),K(+)-ATPase. 2003 , 42, 10212-22	5
1820	Theoretical Study of Alkali Metal Pyrrolides in Comparison with nH-Pyrrole. 2003 , 107, 5427-5438	14
1819	Group 1s and 2s Metals. 2003 , 1-92	6
1818	Methyl substituted benzene adducts of trimeric perfluoro-o-phenylene mercury. 2003 , 2686-2690	28
1817	Non-bonding interactions of anions with nitrogen heterocycles and phenyl rings: a critical Cambridge Structural Database analysis. 2003 , 5, 395-399	31
1816	Unique amino acids cluster for switching from the dehydrogenase to oxidase form of xanthine oxidoreductase. 2003 , 100, 8170-5	70
1815	X-ray crystal structure of the liver X receptor beta ligand binding domain: regulation by a histidine-tryptophan switch. 2003 , 278, 27138-43	173
1814	Solution conformation of alphaA-conotoxin EIVA, a potent neuromuscular nicotinic acetylcholine receptor antagonist from <i>Conus ermineus</i> . 2003 , 278, 42208-13	12
1813	Atomic structure, binding energy, and magnetic properties of iron atoms supported on a polyaromatic hydrocarbon. 2003 , 118, 8671-8680	23
1812	Alkali Metal Complexes of Aromatic Polycarboxylates—Balance of π -Stacking and Coordinate Bonding Interactions?. 2003 , 15, 291-312	20
1811	Evolutionary specialization of a tryptophan indole group for transition-state stabilization by eukaryotic transglutaminases. 2003 , 100, 12636-41	44
1810	Altering substrate specificity of phosphatidylcholine-preferring phospholipase C of <i>Bacillus cereus</i> by random mutagenesis of the headgroup binding site. 2003 , 42, 1603-10	33
1809	Characterization of the interactions between Asp141 and Phe236 in the Mn ²⁺ -l-malate binding of pigeon liver malic enzyme. 2003 , 374, 633-7	6
1808	Structure and activation of muscarinic acetylcholine receptors. 2003 , 31, 29-34	65
1807	Silver ion sensing using .PI.-coordinate aromatic neutral carriers for soft metal ions. 2003 , 52, 689-694	5
1806	Very High Cyclization Quantum Yields of Diarylethene Having TwoN-Methylpyridinium Ions. 2003 , 32, 1178-1179	40
1805	Cyclopeptides As Macrocyclic Host Molecules for Charged Guests. 2004 , 124-139	5

1804	Intramolecular C-H \cdots N interactions in Metal-Porphyrin Complexes. 2004 , 5, 174-185	20
1803	Formation of pi-pi complexes between phenanthrene and model pi-acceptor humic subunits. 2004 , 33, 265-75	80
1802	Cyclophanes: Definition and Scope. 2004 , 414-423	5
1801	Cation \cdots N interactions. 2004 , 214-218	
1800	Dye Inclusion Crystals. 2004 , 497-504	
1799	Identification of functionally important residues in proteins using comparative models. 2004 , 11, 595-605	29
1798	Dipole-induced structure in aromatic-terminated self-assembled monolayers: a study by near edge x-ray absorption fine structure spectroscopy. 2004 , 120, 10792-8	19
1797	Chiral clusters in the gas phase. 2004 , 39, 147-281	7
1796	Atomic structure of a tryptophan-zipper pentamer. 2004 , 101, 16156-61	69
1795	Extraction of rubidium and caesium from strongly alkaline media. 2004 , 92, 175-182	5
1794	NMR solution structure of Ole e 6, a major allergen from olive tree pollen. 2004 , 279, 39035-41	19
1793	Structural mechanism of the simultaneous binding of two drugs to a multidrug-binding protein. 2004 , 23, 2923-30	102
1792	DNA renaturation at the water-phenol interface. 2004 , 14, 211-39	40
1791	Cation-pi interactions studied in a model coiled-coil peptide. 2004 , 13, 2244-51	35
1790	Cation \cdots N interactions in gaseous β -phenylalkyloxonium ions. 2004 , 235, 145-154	8
1789	Studies on aromatic compounds: inhibition of calpain I by biphenyl derivatives and peptide-biphenyl hybrids. 2004 , 14, 2753-7	21
1788	Enantioselective binding of amino acids and amino alcohols by self-assembled chiral basket-shaped receptors. 2004 , 60, 291-300	45
1787	From calixfurans to heterocyclophanes containing isopyrazole units. 2004 , 60, 1895-1902	28

1786	A computational study of cation-π interactions in polycyclic systems: exploring the dependence on the curvature and electronic factors. 2004 , 60, 3037-3043	79
1785	Enlarging the size of calix[4]arene-crowns-6 to improve Cs ⁺ /K ⁺ selectivity: a theoretical and experimental study. 2004 , 60, 7869-7876	49
1784	Labile Interactions Defined in Crystalline Metal Complexes. 2004 , 50, 133-150	21
1783	A highly selective fluoroionophore for the detection of lithium ions. 2004 , 162, 289-296	16
1782	Influence of arene-π interactions on the conformation of acyclic molecules: ¹ H NMR and dipole moment experimental results. 2004 , 17, 71-82	5
1781	Gas-phase interaction between DNA and RNA bases and copper (II) ion: A density functional study. 2004 , 98, 347-354	38
1780	An aromatic anion receptor: anion-π interactions do exist. 2004 , 43, 5815-7	268
1779	Aromatic interactions in peptides: impact on structure and function. 2004 , 76, 435-45	159
1778	Suzuki-Miyaura and Related Cross-Couplings in Aqueous Solvents Catalyzed by Di(2-pyridyl)methylamine-Palladium Dichloride Complexes. 2004 , 346, 1798-1811	123
1777	An Aromatic Anion Receptor: Anion-π Interactions do Exist. 2004 , 116, 5939-5941	61
1776	Intermolecular Interactions between Chelate Rings and Phenyl Rings in Square-Planar Copper(II) Complexes. 2004 , 2004, 2215-2218	52
1775	Electrocatalytic Determination of Vitamin C Using Calixarene Modified Carbon Paste Electrodes. 2004 , 16, 2082-2086	23
1774	Site-specific incorporation of unnatural amino acids into proteins. 2004 , 5, 909-16	43
1773	Molecular sieves as host materials for supramolecular organization. 2004 , 72, 1-23	137
1772	Very strong metal ligand aromatic cation-π interactions in transition metal complexes: intermolecular interaction in tetraphenylborate salts. 2004 , 357, 4327-4329	21
1771	6-Methyl β-lactol derived chiral glycine equivalents for the asymmetric synthesis of protected β-amino amides. 2004 , 15, 913-916	5
1770	Elucidation of the formation of cation-π complexes and their conformational behavior in solution by CD spectroscopy. 2004 , 45, 7475-7478	8
1769	Design and synthesis of ninhydrin-based cyclophanes as potential neutral receptors for quaternary ammonium cations. 2004 , 45, 7435-7440	5

1768	Novel complexation between ferric ions and nonionic surfactants (Brij) and its visible light activity for CCl ₄ degradation in aqueous micellar solutions. 2004 , 165, 43-50	13
1767	C-H... π interactions in the metal-porphyrin complexes with chelate ring as the H acceptor. 2004 , 98, 1867-73	56
1766	The catalytic isomerization reactions of 2-methyl-3-butenitrile into 3-pentenenitrile in ionic liquids. 2004 , 214, 71-81	17
1765	Photophysical properties of porphyrinoid sensitizers non-covalently bound to host molecules; models for photodynamic therapy. 2004 , 248, 321-350	371
1764	Femtosecond studies of crown ethers: supramolecular solvation, local solvent structure and cation- π interaction. 2004 , 394, 415-422	15
1763	Cation- π 's anion- π interactions: a complete orbital analysis. 2004 , 399, 220-225	42
1762	Additivity of Cation- π Interactions: An ab Initio Computational Study on Cation- π Sandwich Complexes. 2004 , 108, 9400-9405	26
1761	Viscoelastic Behavior of Aqueous Hybrid Threadlike Micellar Solution. 2004 , 37, 8381-8388	14
1760	Characterization of hydrated Na ⁺ (phenol) and K ⁺ (phenol) complexes using infrared spectroscopy. 2004 , 120, 721-30	38
1759	Enhanced diastereoselectivity via confinement: photoisomerization of 2,3-diphenylcyclopropane-1-carboxylic acid derivatives within zeolites. 2004 , 69, 6533-47	31
1758	A Solid-State NMR and Computational Study of Sodium and Potassium Tetraphenylborates: ²³ Na and ³⁹ K NMR Signatures for Systems Containing Cation- π Interactions. 2004 , 108, 10551-10559	32
1757	Aromatic Bridged Bis-phenol A Derived Cyclophanes. Synthesis, Molecular Structure and Binding Properties Toward Quats. 2004 , 16, 59-66	2
1756	The [(Cp-C5Me5)(2,2'-bipyridine)Ru]- Anion and Its Use in the Synthesis of Alkyl, Allyl, and Stannyl Complexes of Ruthenium. 2004 , 23, 2855-2859	16
1755	Unnatural amino acid mutagenesis: a precise tool for probing protein structure and function. 2004 , 43, 11623-9	51
1754	Complexation of Gas-Phase Metal Ions with Furan: Experimental and Quantum Chemical Binding Energies. 2004 , 108, 10897-10905	14
1753	Azoniene, a Nearly Forgotten Aromatic Molecule. 2004 , 108, 4059-4068	5
1752	Cation- π interactions: structures and energetics of complexation of Na ⁺ and K ⁺ with the aromatic amino acids, phenylalanine, tyrosine, and tryptophan. 2004 , 126, 14600-10	180
1751	A DFT computational study on electrophilic substitutions upon alpha-oxy-substituted benzylorganolithium compounds: lithium catalysis is the hidden piece of the puzzle. 2004 , 126, 16738-9	14

1750	Acetylcholine binding site in the vesicular acetylcholine transporter. 2004 , 43, 11163-74	16
1749	Salt effects on the conformational behavior of 5-carboxy- and 5-hydroxy-1,3-dioxane. 2004 , 69, 9063-72	5
1748	Increased Complexation Ability of Water-Soluble Calix[4]resorcinarene Octacarboxylate toward Phenol by the Assistance of Fe(II) Ions. 2004 , 108, 15519-15522	13
1747	High-resolution X-ray structure of the unexpectedly stable dimer of the [Lys(-2)-Arg(-1)-des(17-21)]endothelin-1 peptide. 2004 , 43, 15154-68	7
1746	Hydrophobic nature of the active site of mandelate racemase. 2004 , 43, 2524-32	34
1745	Enhanced diastereoselectivity via confinement: diastereoselective photoisomerization of 2,3-diphenyl-1-benzoylcyclopropane derivatives within zeolites. 2004 , 69, 5528-36	28
1744	Structural Diversity of the Tris(di-tert-butylmethylsilyl)stannyl Anion: Monomeric vs Dimeric, Lithium Coordinated vs Lithium Free. 2004 , 23, 2376-2381	26
1743	Structure, Coordination, and Solvation of V ⁺ (benzene) _n Complexes via Gas Phase Infrared Spectroscopy. 2004 , 108, 6605-6610	50
1742	The mighty arginine, the stable quaternary amines, the powerful aromatics, and the aggressive phosphate: their role in the noncovalent minuet. 2004 , 3, 478-84	87
1741	Ferrocene derivatives as receptors to explore ammonium cation interactions. 2004 , 28, 907-911	13
1740	H-Bonded complexes of adenine with Rebek imide receptors are stabilised by cation- π interactions and destabilised by stacking with perfluoroaromatics. 2004 , 370-1	28
1739	Cation versus Anion interactions: Energetic, Charge Transfer, and Aromatic Aspects. 2004 , 108, 9423-9427	162
1738	Molecular docking of the scorpion toxin Tc1 to the structural model of the voltage-gated potassium channel Kv1.1 from human Homo sapiens. 2004 , 21, 639-50	8
1737	Intermolecular π -to- π bonding between stacked aromatic dyads. Experimental and theoretical binding energies and near-IR optical transitions for phenalenyl radical/radical versus radical/cation dimerizations. 2004 , 126, 13850-8	249
1736	Reverse micellar aggregates: effect on ketone reduction. 2. Surfactant role. 2004 , 69, 8231-8	24
1735	The Multiplicity, Strength, and Nature of the Interaction of Nucleobases with Alkaline and Alkaline Earth Metal Cations: A Density Functional Theory Investigation. 2004 , 108, 4008-4018	78
1734	Database-derived potentials dependent on protein size for in silico folding and design. 2004 , 87, 171-81	16
1733	Concerning the Nature of Coal Solutions and Suspensions. 2004 , 18, 1104-1107	2

1732	Determinants of selectivity in alkylation of nucleosides and DNA by secondary diazonium ions: evidence for, and consequences of, a preassociation mechanism. 2004 , 17, 1531-9	13
1731	Molecular determinants for ATP-binding in proteins: a data mining and quantum chemical analysis. 2004 , 336, 787-807	110
1730	van der Waals Forces. 2004 , 1550-1556	1
1729	Protein thermostability: structure-based difference of amino acid between thermophilic and mesophilic proteins. 2004 , 111, 269-77	86
1728	Prodrugs and Drug Delivery Systems. 2004 , 497-557	3
1727	Influence of Stacking on Hydrogen Bonding: Quantum Chemical Study on Pyridine-Benzene Model Complexes. 2004 , 108, 6038-6044	119
1726	Applications of Small Molecule Crystallography and the Cambridge Structural Database in Drug Design. 2004 , 1, 595-606	
1725	Characterization of cation- π interactions in aqueous solution using deuterium nuclear magnetic resonance spectroscopy. 2004 , 33, 276-84	42
1724	Cation- π Interactions Between Alkali Metal Cations and Neutral Double Bonds. 2004 , 69, 1050-1062	8
1723	Polycationic Peptides and Proteins in Drug Delivery: Focus on Nonclassical Transport. 2005 , 279-304	
1722	Elastic Cycles as Flexible Hosts: How Tubes Built by Cyclic Chalcogenaalkynes Individually Host Their Guests. 2005 , 34, 126-131	29
1721	Interaction between quaternary ammonium ions and dipeptides: positive anion allosteric effect. 2005 , 53, 90-4	13
1720	(π -Arene) versus donor ligand complexation in the formation of the heterobimetallic lithium-potassium dianion of (S)-N-(π -methylbenzyl)allylamine. 2005 , 690, 4343-4348	7
1719	Single crystal EPR study of electronic structure and exchange interactions for copper(II)(L-arginine) ₂ (SO ₄)(H ₂ O) ₆ : a model system to study exchange interactions between unpaired spins in proteins. 2005 , 99, 415-23	17
1718	Cation templation of Mn ²⁺ /[Mo(CN) ₇] ₄ system: Formation of pseudo-dimorphs (NH ₄) ₂ Mn ₃ (H ₂ O) ₄ [Mo(CN) ₇] ₂ · nH ₂ O (n = 4, 5). 2005 , 24, 1033-1046	5
1717	Magnetic interaction in 2D sheet structure of bis(1H, 4H-5,6-diethylpyrazinedithiolato) copper(II) trifluoroacetate. 2005 , 24, 2528-2532	2
1716	Synthesis, thermal properties, and specific interactions of high T _g increase in poly(2,6-dimethyl-1,4-phenylene oxide)-block-polystyrene copolymers. 2005 , 46, 9348-9361	39
1715	Photodissociation of M ⁺ (benzene) _x complexes (M = Ti, V, Ni) at 355 nm. 2005 , 241, 165-171	33

1714	The influence of aromatic residues in hydrophile spacer units: assay by ion selective electrode methods and in bacteria. 2005 , 13, 3321-7	3
1713	A cation- π binding interaction with a tyrosine in the binding site of the GABAC receptor. 2005 , 12, 993-7	119
1712	Pyrene π -crown ether hybrid: cation π interaction. 2005 , 46, 2063-2066	10
1711	Kinetic resolution of sec-alcohols by a new class of pyridine catalysts having a conformation switch system. 2005 , 46, 2239-2242	83
1710	Synthesis of chiral N-protected 1,2-dihydro-quinoline-2-carbonitrile and 1,2-dihydro-isoquinoline-1-carbonitrile via an asymmetric Reissert reaction. 2005 , 46, 2983-2987	19
1709	A new macrocycle that forms pseudorotaxane-like complexes with dibenzylammonium ions. 2005 , 46, 4239-4242	18
1708	Preference of intra- and intermolecular cation π interaction: cis π -trans geometrical effects of amide bond on the interaction mode. 2005 , 46, 5673-5676	17
1707	Li π -interaction in coronene π -crown ether system. 2005 , 46, 8169-8172	9
1706	Theoretical study of borazine and its fluoroderivatives: aromaticity and cation π -anion π interaction. 2005 , 715, 91-100	30
1705	Counterion effects on the cation π interactions between alkaline earth cations and pyrrole. 2005 , 716, 131-136	4
1704	Cation π interactions of Cu $^{+}$. 2005 , 757, 37-46	43
1703	Chemistry of pyramidalized alkenes. 2005 , 61, 5147-5208	63
1702	A mild, efficient and improved protocol for the synthesis of novel indolyl crown ethers, di(indolyl)pyrazolyl methanes and 3-alkylated indoles using H $_4$ [Si(W $_3$ O $_{10}$) $_3$]. 2005 , 61, 12275-12281	30
1701	Synthesis of tripeptides as potent Yersinia protein tyrosine phosphatase inhibitors. 2005 , 15, 4037-42	17
1700	Modeling of benzocaine analog interactions with the D4S6 segment of NaV4.1 voltage-gated sodium channels. 2005 , 113, 1-7	7
1699	Mechanical properties of carbon nanotube paper in ionic liquid and aqueous electrolytes. 2005 , 43, 1891-1896	99
1698	Preparative frontal size-exclusion chromatography of mineral ions on neutral hypercrosslinked polystyrene. 2005 , 1087, 3-12	30
1697	Counterintuitive affinity of [2.2]paracyclophane to cations. 2005 , 408, 59-64	11

1696	The X-ray structure of a hemipteran ecdysone receptor ligand-binding domain: comparison with a lepidopteran ecdysone receptor ligand-binding domain and implications for insecticide design. 2005 , 280, 22258-69	91
1695	Noncovalent binding between guanidinium and anionic groups: focus on biological- and synthetic-based arginine/guanidinium interactions with phosph[on]ate and sulf[on]ate residues. <i>Chemical Reviews</i> , 2005 , 105, 67-114	68.1 482
1694	Recognition of alkali metal halide contact ion pairs by uranyl-salophen receptors bearing aromatic sidearms. The role of cation-pi interactions. 2005 , 127, 3831-7	136
1693	Insights into the catalytic mechanism of glutathione S-transferase: the lesson from <i>Schistosoma haematobium</i> . 2005 , 13, 1241-6	31
1692	Release of a damaged cofactor from a coenzyme B12-dependent enzyme: X-ray structures of diol dehydratase-reactivating factor. 2005 , 13, 1745-54	25
1691	A Novel Two-Dimensional Layer Structure Built from a Tetracobalt(II)-p-sulfonatothiacalix[4]arene Cluster Unit. 2005 , 2005, 1182-1187	22
1690	Significance of Intermolecular S \cdots C(=O) Interaction Involving M \cdots and C=O Centers in Crystal Structures of Metal Thiolate Complexes. 2005 , 2005, 4490-4492	12
1689	Molecular Modeling, Design, and Synthesis of Less Lipophilic Derivatives of 3-(4-Tetradecyloxybenzyl)-4H-1,2,4-oxadiazol-5-one (PMS1062) Specific for Group II Enzyme. 2005 , 2005, 2747-2757	9
1688	Conformation-Directed Macrocyclization Reactions. 2005 , 2005, 1949-1964	160
1687	Electron-Rich Cavitands via Fourfold Sonogashira Cross-Coupling Reaction of Calix[4]arenes and Bromopyridines Effect of the Nitrogen Position on Complexation Abilities. 2005 , 2005, 3801-3812	19
1686	para-Sulfonated Calixarenes Used as Synthetic Receptors for Complexing Photolabile Cholinergic Ligand. 2005 , 88, 2641-2653	13
1685	Aromaticity analysis of lithium cation/pi complexes of aromatic systems. 2005 , 6, 2552-61	44
1684	Exploring the mechanisms of molecular recognition by flavins. 2005 , 2, 429-46	7
1683	Diffusion NMR spectroscopy in supramolecular and combinatorial chemistry: an old parameter--new insights. 2005 , 44, 520-54	960
1682	Gas-phase catalysis by atomic and cluster metal ions: the ultimate single-site catalysts. 2005 , 44, 2336-54	720
1681	Fully plastic actuator through layer-by-layer casting with ionic-liquid-based bucky gel. 2005 , 44, 2410-3	445
1680	Supramolecular coordination assemblies of dinuclear Fe(III) complexes. 2005 , 44, 4187-92	47
1679	C2-symmetrical thiodigalactoside bis-benzamido derivatives as high-affinity inhibitors of galectin-3: efficient lectin inhibition through double arginine-arene interactions. 2005 , 44, 5110-2	111

- 1678 High thermal stability imparted by a designed tandem Arg-Trp stretch in an alpha-helical coiled coil. **2005**, 44, 6180-3 45
- 1677 Quantification of cation-pi interactions in protein-ligand complexes: crystal-structure analysis of Factor Xa bound to a quaternary ammonium ion ligand. **2005**, 44, 4400-4 94
- 1676 Organocatalytic diastereo- and enantioselective annulation reactions--construction of optically active 1,2-dihydroisoquinoline and 1,2-dihydrophthalazine derivatives. **2005**, 44, 6058-63 117
- 1675 Diffusions-NMR-Spektroskopie in der Supramolekularen und Kombinatorischen Chemie: ein alter Parameter ðeue Erkenntnisse. **2005**, 117, 524-560 229
- 1674 Gasphasenkatalyse mit atomaren und Cluster-Metall-Ionen: ultimative Single-Site-Katalysatoren. **2005**, 117, 2388-2406 166
- 1673 Fully Plastic Actuator through Layer-by-Layer Casting with Ionic-Liquid-Based Bucky Gel. **2005**, 117, 2462-2465 61
- 1672 Supramolecular Coordination Assemblies of Dinuclear FeIII Complexes. **2005**, 117, 4259-4264 8
- 1671 C2-Symmetrical Thiodigalactoside Bis-Benzamido Derivatives as High-Affinity Inhibitors of Galectin-3: Efficient Lectin Inhibition through Double Arginine-Arene Interactions. **2005**, 117, 5240-5242 24
- 1670 High Thermal Stability Imparted by a Designed Tandem Arg-Trp Stretch in an α -Helical Coiled Coil. **2005**, 117, 6336-6339 1
- 1669 Quantifizierung von Kation- π Wechselwirkungen in Protein-Ligand-Komplexen: Kristallstrukturanalyse eines Komplexes von Faktor Xa und einem quartären Ammonium-Ion-Liganden. **2005**, 117, 4474-4479 17
- 1668 Organocatalytic Diastereo- and Enantioselective Annulation Reactions--Construction of Optically Active 1,2-Dihydroisoquinoline and 1,2-Dihydrophthalazine Derivatives. **2005**, 117, 6212-6217 38
- 1667 Preparation of Homogeneously Dispersed Multiwalled Carbon Nanotube/Polystyrene Nanocomposites via Melt Extrusion Using Trialkyl Imidazolium Compatibilizer. **2005**, 15, 910-916 198
- 1666 Novel Chiral Diamino-Oligothiophenes as Valuable Ligands in Pd-Catalyzed Allylic Alkylations. On the Primary Role of Secondary Interactions in Asymmetric Catalysis. **2005**, 347, 1507-1512 27
- 1665 1,1-Bis(4-amino-1,2,4-triazole-5(1H)-thion-3-ylsulfanyl)alkanes: Versatile precursors for novel bis(S-triazolo[3,4-b][1,3,4]thiadiazines) as well as novel bis(macrocyclic schiff bases). **2005**, 42, 233-241 11
- 1664 Selective complexation of N-alkylpyridinium salts: binding of NAD⁺ in water. **2005**, 11, 477-94 52
- 1663 Adsorbent Selection by Functional Group Interaction Screening for Peptide Recovery. **2005**, 11, 881-886 4
- 1662 Protonation-induced stereoisomerism in nicotine: conformational studies using classical (AMBER) and ab initio (Car-Parrinello) molecular dynamics. **2005**, 19, 1-15 13
- 1661 Inclusion of diprotonated [2.2.2]cryptand in the cavity of uranyl-complexed p-phenyltetrahomodioxalix[4]arene. **2005**, 61, m482-4 4

1660	A model of the ternary complex of interleukin-10 with its soluble receptors. 2005 , 5, 10	26
1659	Cation- π interactions in protein-protein interfaces. 2005 , 59, 231-9	271
1658	. 2005 ,	33
1657	. 2005 ,	60
1656	Ligand-binding pocket of the ecdysone receptor. 2005 , 73, 101-29	31
1655	Identification of an agonist-induced conformational change occurring adjacent to the ligand-binding pocket of the M(3) muscarinic acetylcholine receptor. 2005 , 280, 34849-58	41
1654	Chemical Encapsulation in Self-Assembling Capsules. 2005 , 199-210	2
1653	Biochemical and structural analysis of the Bacillus subtilis ABC transporter OpuA and its isolated subunits. 2005 , 10, 76-91	16
1652	Biological coordination chemistry, a confluence of chemistry and biochemistry. 2005 , 8, 199-210	1
1651	Structural and thermodynamic studies on cation- π interactions in lectin-ligand complexes: high-affinity galectin-3 inhibitors through fine-tuning of an arginine-arene interaction. 2005 , 127, 1737-43	212
1650	Functional cavitands: chemical reactivity in structured environments. 2005 , 102, 10777-82	135
1649	Intra-subunit residue interactions from the protein surface to the active site of glutathione S-transferase AdGSTD3-3 impact on structure and enzyme properties. 2005 , 35, 197-205	1
1648	Base-catalyzed hydrogenation: rationalizing the effects of catalyst and substrate structures and solvation. 2005 , 127, 2443-54	43
1647	Continuing challenges in the parametrization of intermolecular force fields. Towards an accurate description of electrostatic and induction terms. 2005 , 29, 411-420	18
1646	Exploring a new kind of aromatic hydrogen bond: hydrogen bonding to all-metal aromatic species. 2005 , 29, 1295	7
1645	C-Methyl resorcin[4]arene packing motifs with alkyl ammonium salts: From molecular capsules to channels and tubes. 2005 , 7, 519	50
1644	Linear conformation of poly(styrene-alt-maleic anhydride) capable of self-assembly: a result of chain stiffening by internal hydrogen bonds. 2005 , 109, 7022-32	40
1643	Kinetic resolution of sec-alcohols using a new class of readily assembled (S)-proline-derived 4-(pyrrolidino)-pyridine analogues. 2005 , 3, 981-4	70

1642	Spectrometric Study of the Size Discrimination of Quaternary Ammonium Cations by Tetracyanoresorcin[4]arene. 2005 , 17, 469-473	8
1641	Cation- π Interaction: a case for macrocycle-cation interaction by its ureidoarene counteranion. 2005 , 29, 1535	26
1640	Supramolecular chirality control by solvent changes. Solvodicroic effect on chiral porphyrin aggregation. 2005 , 2471-3	39
1639	Binding of inorganic cations by p-sulfonatocalix[4]arene monitored through competitive fluorophore displacement in aqueous solution. 2005 , 5411-3	63
1638	The structure of the H ₃ O ⁺ hydronium ion in benzene. 2005 , 127, 7664-5	43
1637	Synthesis of cage-type molecules with π -cavity and selective gas-phase cation complexation. 2005 , 70, 7087-92	25
1636	Aromatic interactions in unusual backbone nitrogen-coordinated zinc peptide complexes: a crystallographic and spectroscopic study. 2005 , 44, 4796-805	35
1635	Discovery of a novel class of reversible non-peptide caspase inhibitors via a structure-based approach. 2005 , 48, 1649-56	38
1634	A tryptophan-containing open-chain framework for tuning a high selectivity for Ca ²⁺ and ¹³ C NMR observation of a Ca ²⁺ -indole interaction in aqueous solution. 2005 , 127, 3527-30	41
1633	Histidine-Aromatic Interactions in Proteins and Protein-Ligand Complexes: Quantum Chemical Study of X-ray and Model Structures. 2005 , 1, 472-83	101
1632	A joint experimental and theoretical study of cation- π interactions: multiple-decker sandwich complexes of ferrocene with alkali metal ions (Li ⁺ , Na ⁺ , K ⁺ , Rb ⁺ , Cs ⁺). 2005 , 127, 10656-66	77
1631	One-Step Synthesis of Diphenylmethanes. 2005 , 35, 835-843	4
1630	A molecular dynamics investigation of rare-gas solvated cation-benzene clusters using a new model potential. 2005 , 109, 2906-11	49
1629	Ultrafast orientational dynamics of nanoconfined benzene. 2005 , 109, 12724-30	41
1628	Study of the interaction of chlorisondamine and chlorisondamine analogues with an epitope of the α -2 neuronal acetylcholine nicotinic receptor subunit. 2005 , 4, 532-9	8
1627	Nanometer-scale ion aggregates in aqueous electrolyte solutions: guanidinium sulfate and guanidinium thiocyanate. 2005 , 109, 24185-96	78
1626	Structural details of the thermophilic filamentous bacteriophage PH75 determined by polarized Raman microspectroscopy. 2005 , 44, 4861-9	33
1625	Density functional study of lithium-aromatic sandwich compounds and their crystals. 2005 , 109, 478-83	23

1624	Cation-pi interactions with a model for the side chain of tryptophan: structures and absolute binding energies of alkali metal cation-indole complexes. 2005 , 109, 11539-50	64
1623	Infrared spectroscopy of gas-phase Cr ⁺ coordination complexes: determination of binding sites and electronic states. 2005 , 127, 7243-54	92
1622	Ligand-stabilized aromatic three-membered gold rings and their sandwichlike complexes. 2005 , 127, 10623-38	34
1621	Preparation and nanoscopic internal structure of single-walled carbon nanotube-ionic liquid gel. 2005 , 154, 189-192	28
1620	A desymmetrization route to fused Troger's base analogues: synthesis, isolation, and characterization of the first anti-anti diastereomer of a fused tris-Troger's base analogue. 2005 , 7, 2019-22	29
1619	4-Hydroxyphenylpyruvate dioxygenase. 2005 , 433, 117-28	201
1618	Syntheses, structural properties, and charge-transfer complexes of pyrenophanes. 2005 , 3, 3590-3	18
1617	Electrospray mass spectrometric and DFT study of substituent effects in Ag(+) complexation to polycyclic aromatic hydrocarbons (PAHs). 2005 , 3, 2319-26	25
1616	2H-NMR study and molecular dynamics simulation of the location, alignment, and mobility of pyrene in POPC bilayers. 2005 , 88, 1818-27	108
1615	Penetratin-membrane association: W48/R52/W56 shield the peptide from the aqueous phase. 2005 , 88, 939-52	61
1614	Interfacial tryptophan residues: a role for the cation-pi effect?. 2005 , 89, 3985-96	93
1613	Interactions with Aromatic Rings. 2005 , 149-193	85
1612	Adenophostin A and analogues modified at the adenine moiety: synthesis, conformational analysis and biological activity. 2005 , 3, 245-52	24
1611	Conformational studies of free and Li ⁺ complexed jasplakinolide, a cyclic depsipeptide from the Fijian marine sponge <i>Jaspis splendens</i> . 2005 , 3, 745-9	11
1610	Weak interactions between resorcinarenes and diquaternary alkyl ammonium cations. 2005 , 29, 116-127	69
1609	Influence of the water molecule on cation-pi interaction: ab initio second order Møller-Plesset perturbation theory (MP2) calculations. 2005 , 109, 5945-9	43
1608	Intermolecular interactions between benzene and 1,3,5-triazine: a new tool for crystal engineering and molecular recognition. 2005 , 7, 121	21
1607	Interactions between cytochrome c2 and the photosynthetic reaction center from <i>Rhodospira rubra</i> sphaeroides: the cation-pi interaction. 2005 , 44, 9619-25	16

1606	MD simulation of the Na ⁺ -phenylalanine complex in water: competition between cation- π interaction and aqueous solvation. 2005 , 109, 23016-23	30
1605	Supramolecular dendrimers: Unusual mesophases of ionic liquid crystals derived from protonation of DAB dendrimers with facial amphiphilic carboxylic acids. 2005 , 15, 1708	90
1604	Regioselective ortho lithiation of 3-aryl and 3-styryl furans. 2005 , 7, 3347-50	20
1603	Cation [M = H ⁺ , Li ⁺ , Na ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺ , NH ₄ ⁺ , and NMe ₄ ⁺] interactions with the aromatic motifs of naturally occurring amino acids: a theoretical study. 2005 , 109, 8893-903	242
1602	Exploring amino-acid radical chemistry: protein engineering and de novo design. 2005 , 1707, 103-16	23
1601	Crystal packing mediates enantioselective ligand recognition at the peripheral site of acetylcholinesterase. 2005 , 127, 11029-36	40
1600	Synthesis and complexation properties of "zorbarene": a new naphthalene ring-based molecular receptor. 2005 , 70, 1115-21	40
1599	Supramolecular Complexes with Macrocycles: Surprises and Insights. 2005 , 277-289	0
1598	Vibrational spectroscopy of Ni ⁺ (benzene) _n complexes in the gas phase. 2005 , 109, 3311-7	41
1597	Using physical chemistry to differentiate nicotinic from cholinergic agonists at the nicotinic acetylcholine receptor. 2005 , 127, 350-6	111
1596	Disilver(I) rectangular-shaped metallacycles: X-ray crystal structure and dynamic behavior in solution. 2005 , 44, 8510-20	59
1595	On the chemical nature of graphene edges: origin of stability and potential for magnetism in carbon materials. 2005 , 127, 5917-27	441
1594	Role of cations and confinement in asymmetric photochemistry: enantio- and diastereo-selective photocyclization of tropolone derivatives within zeolites. 2005 , 3, 3045-53	22
1593	Clusters to functional molecules, nanomaterials, and molecular devices. 2005 , 963-993	2
1592	Structure and binding energy of anion- π and cation- π complexes: a comparison of MP2, RI-MP2, DFT, and DF-DFT methods. 2005 , 109, 4632-7	179
1591	Ammonium, Amidinium, Guanidinium, and Pyridinium Cations. 2005 , 111-164	4
1590	The ionic hydrogen bond. <i>Chemical Reviews</i> , 2005 , 105, 213-84	68.1 489
1589	Reinforced molecular recognition as an alternative to rigid receptors. 2006 , 2861-4	42

1588	Electron delocalization mediates the metal-dependent capacity for CH/π interactions of acetylacetonato chelates. 2006 , 45, 4755-63	77
1587	Magnetic properties of ferromagnetic quasi-1D copper-peptide compounds: exchange interactions and very low temperature phase transitions. 2006 , 110, 8052-63	15
1586	Energetics of small molecule and water complexation in hydrophobic calixarene cavities. 2006 , 22, 4004-14	31
1585	Complex-within-complex assemblages from $\{M([2.2.2]cryptand)(H_2O)_2\}^{2+}$ (M = Sr, Ba) and $\{UO_2(p\text{-tert-butyl}[3.1.3.1]homooxalixarene [4H])_2\}^{2+}$ 2006 , 8, 764-772	10
1584	Anion-π interaction augments halide binding in solution. 2006 , 506-8	175
1583	Chiral recognition mass spectrometry: remarkable effects observed from the relative ion abundances of ternary diastereomeric complexes using electrospray ionization. 2006 , 414-6	19
1582	Ab initio study of $[n.n]$ paracyclophane (n = 2, 3) complexes with cations: unprecedented through-space substituent effects. 2006 , 110, 5144-8	71
1581	Immobilization of sodium ions on the pore surface of a porous coordination polymer. 2006 , 128, 4222-3	132
1580	Inclusion of naturally occurring amino acids in water soluble calix[4]arenes: a microcalorimetric and ¹ H NMR investigation supported by molecular modeling. 2006 , 4, 243-9	81
1579	Anion-π interactions as controlling elements in self-assembly reactions of Ag(I) complexes with π-acidic aromatic rings. 2006 , 128, 5895-912	281
1578	Cation-π Interactions and oxidative effects on Cu ⁺ and Cu ²⁺ binding to Phe, Tyr, Trp, and His amino acids in the gas phase. Insights from first-principles calculations. 2006 , 110, 24189-99	73
1577	New class of pyridine catalyst having a conformation switch system: asymmetric acylation of various sec-alcohols. 2006 , 71, 6872-80	85
1576	A molecular dynamics study of Lys-Trp-Lys: structure and dynamics in solution following photoexcitation. 2006 , 110, 10497-508	41
1575	Synthesis, crystal structure and reactivity of uranium(IV) complexes with p-tert-butylcalix[4]arene ligands. 2006 , 3006-14	20
1574	Lithium adsorption on graphite from density functional theory calculations. 2006 , 110, 14832-41	110
1573	Indole localization in lipid membranes revealed by molecular simulation. 2006 , 91, 2046-54	95
1572	Binding of monovalent metal cations by the p-sulfonatocalix[4]arene: experimental evidence for cation-π interactions in water. 2006 , 4, 462-5	45
1571	Activity of synthetic ion channels is influenced by cation-π interactions with phospholipid headgroups. 2006 , 4, 83-9	26

1570	Silver complexes of peptidomimetic polyazapyridinophanes. The influence of the bonding cavity size and the nature of side chains. 2006 , 4, 853-9		17
1569	Induction of an aromatic six-membered nitrogen ring via cation- π interaction. 2006 , 110, 12236-40		12
1568	Target-related applications of first principles quantum chemical methods in drug design. <i>Chemical Reviews</i> , 2006 , 106, 3497-519	68.1	100
1567	Preparation and structural characterisation of the cation- π complexes $[(\text{Me}_3\text{Si})_2\text{NK}]\cdots(\text{tBu-C}_6\text{H}_5)]_2$ and $[(\text{Me}_3\text{Si})_2\text{NK}]\cdots(\text{Me}_3\text{-C}_6\text{H}_3)]_2$. 2006 , 5, 215-220		3
1566	Pyrogallarenes as alkali metal receptors: the role of cation- π interactions in complexation. 2006 , 1209-11		38
1565	Host-Guest Complexation Behavior of Resorcinarenes with Tetraalkylammonium Ions and N-Methylpyridinium Ions in Methanol: The Effect of Bulky Hydrophobic Substituents at the Extra-Annular Positions. 2006 , 181, 2877-2886		5
1564	Methyl ether derivatives of p-tert-Butyl[3.1.3.1]homooxalixarene. Formation, structure, and complexes with quaternary ammonium ions. 2006 , 71, 504-11		23
1563	A computational study on π and σ modes of metal ion binding to heteroaromatics (CH)(5-m)X(m) and (CH)(6-m)X(m) (X = N and P): contrasting preferences between nitrogen- and phosphorous-substituted rings. 2006 , 110, 10148-54		60
1562	IRMPD spectroscopy of metal-ion/tryptophan complexes. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 2744-51	3.6	152
1561	Probing the Mg ²⁺ blockade site of an N-methyl-D-aspartate (NMDA) receptor with unnatural amino acid mutagenesis. 2006 , 1, 227-34		23
1560	On the interaction of bare and hydrated aluminum ion with nucleic acid bases (U, T, C, A, G) and monophosphate nucleotides (UMP, dTMP, dCMP, dAMP, dGMP). 2006 , 110, 8815-24		28
1559	How does ammonium dynamically interact with benzene in aqueous media? A first principle study using the Car-Parrinello molecular dynamics method. 2006 , 110, 5094-8		30
1558	Hybrid cavitand-resorcin[4]arene receptor for the selective binding of choline and related compounds in protic media. 2006 , 8, 3477-80		33
1557	Development of novel statistical potentials describing cation- π interactions in proteins and comparison with semiempirical and quantum chemistry approaches. 2006 , 46, 884-93		18
1556	Hydride transfer versus hydrogen radical transfer in thymidylate synthase. 2006 , 128, 5636-7		34
1555	MP2 study of cation-(π) $_n$ - π interactions ($n = 1-4$). 2006 , 110, 9307-9		41
1554	Molecular determinants for binding of ammonium ion in the ammonia transporter AmtB-A quantum chemical analysis. 2006 , 110, 1375-81		27
1553	Probing the acetylcholinesterase inhibition of sarin: a comparative interaction study of the inhibitor and acetylcholine with a model enzyme cavity. 2006 , 110, 13597-607		16

1552	Theoretical study of alkali cation-benzene complexes: potential energy surfaces and binding energies with improved results for rubidium and cesium. 2006 , 110, 6563-70	34
1551	Synthesis, Structure, and Catalytic Studies of Mixed Lithium-Magnesium and Sodium-Magnesium Complexes: Highly Isospecific Initiators for Polymerization of Methyl Methacrylate. 2006 , 25, 4144-4149	28
1550	Dynamic properties of metallocenium ion pairs in solution by atomistic simulations. 2006 , 128, 10952-9	37
1549	The crystal structure of the ternary complex of phenylalanyl-tRNA synthetase with tRNAPhe and a phenylalanyl-adenylate analogue reveals a conformational switch of the CCA end. 2006 , 45, 10572-83	45
1548	Atom-bond pairwise additive representation for cation-benzene potential energy surfaces: An ab initio validation study. 2006 , 110, 9002-10	48
1547	Self-assembly of triptycene-based cylindrical macrotricyclic host with dibenzylammonium ions: construction of dendritic [3]pseudorotaxanes. 2006 , 8, 1859-62	60
1546	Complexation of quaternary ammonium ions by tetraester derivatives of [3.1.3.1]homooxalixarene in mobile and in fixed conformation. 2006 , 71, 9784-90	5
1545	Spectroscopic identification of carbenium and ammonium isomers of protonated aniline (AnH ⁺): IR spectra of weakly bound AnH ⁺ -Ln clusters (L = Ar, N ₂). 2006 , 110, 12793-804	52
1544	Pb(m)-Phenyl (m = 1-5) complexes: an anion photoelectron spectroscopy and density functional study. 2006 , 110, 8688-94	9
1543	Solid-state ²³ Na NMR study of sodium lariat ether receptors exhibiting cation- π interactions. 2006 , 110, 13568-77	24
1542	Substituent effects in C ₆ F ₆ -C ₆ H ₅ X stacking interactions. 2006 , 71, 9261-70	124
1541	Tryptophan- and arginine-rich antimicrobial peptides: structures and mechanisms of action. 2006 , 1758, 1184-202	673
1540	A short Id2 protein fragment containing the nuclear export signal forms amyloid-like fibrils. 2006 , 346, 182-7	4
1539	Synthesis of (Z)-alkene and (E)-fluoroalkene-containing diketopiperazine mimetics utilizing organocopper-mediated reduction-alkylation and diastereoselectivity examination using DFT calculations. 2006 , 71, 4118-29	28
1538	Molecular determinants for substrate specificity of the ligand-binding protein OpuAC from <i>Bacillus subtilis</i> for the compatible solutes glycine betaine and proline betaine. 2006 , 357, 592-606	65
1537	Crystal structures of the AppA BLUF domain photoreceptor provide insights into blue light-mediated signal transduction. 2006 , 362, 717-32	138
1536	Contribution of cation- π interactions to protein stability. 2006 , 45, 15000-10	74
1535	References. 486-503	

1534	Study on the Difference of Photochromic and Thermochromic Mechanism of Ethylenediamine Trimolybdate. 2006 , 35, 1146-1147	
1533	Cation-Driven Fluorescence Signalling of Ammonium Cations by Naphthyl-substituted Zn ₁₀ S ₁₆ and Cd ₁₀ S ₁₆ Clusters. 2006 , 35, 184-185	7
1532	Complex formation between a tetramesityl sulfonated resorcarene and alkylammonium ions: a mass spectrometric study of noncovalent interactions. 2006 , 20, 1218-24	12
1531	Reactions of platinum cluster ions with benzene. 2006 , 20, 1899-904	10
1530	Effective solvation of alkaline earth ions by proline-rich proteolytic peptides of galectin-3 upon electrospray ionisation. 2006 , 20, 2404-10	11
1529	Human methionine aminopeptidase type 2 in complex with L- and D-methionine. 2006 , 16, 2580-3	6
1528	N-Glycosyl-thiophene-2-carboxamides: synthesis, structure and effects on the growth of diverse cell types. 2006 , 341, 1370-90	9
1527	Chemistry with weakly-coordinating fluorinated alkoxyaluminate anions: Gas phase cations in condensed phases?. 2006 , 250, 2721-2744	190
1526	How to improve guanidinium cations for oxoanion binding in aqueous solution?. 2006 , 250, 3053-3067	178
1525	Targeting retroviral Zn finger-DNA interactions: a small-molecule approach using the electrophilic nature of trans-platinum-nucleobase compounds. 2006 , 13, 539-48	55
1524	A molecular dynamics study for the isomerization of Ar solvated (benzene) ₂ R ⁺ heteroclusters. 2006 , 327, 105-111	14
1523	Chromatographic resolution of a salt into its parent acid and base constituents. 2006 , 1136, 118-22	10
1522	A theoretical ab initio study of [n.n]paracyclophane complexes with cations. 2006 , 417, 371-377	9
1521	The nature of benzene-cation interactions from the topology of the electron distribution. 2006 , 422, 36-40	17
1520	Effect of cation-cation interaction on NMR: A theoretical investigation on complexes of Li ⁺ , Na ⁺ , Be ²⁺ , and Mg ²⁺ with aromatics. 2006 , 422, 455-460	40
1519	A computational study on electron transfer mechanism between alkaline earth metal atoms and cyclooctatetraene to form cation-bonded complexes. 2006 , 423, 339-343	10
1518	Affinity of ferrocene and (1,1?)(3,3?)[3,3]ferrocenophane to cations. 2006 , 424, 204-208	3
1517	Substituent constants for predicting aromatic molecular quadrupole moments. 2006 , 425, 347-352	7

1516	Diversity-oriented chemical modification of heparin: Identification of charge-reduced N-acyl heparin derivatives having increased selectivity for heparin-binding proteins. 2006 , 14, 2300-13	31
1515	Gas phase reactivity of Cu ⁺ -aromatic amino acids: An experimental and theoretical study. 2006 , 257, 60-69	22
1514	CH/π Interactions of π-system of acetylacetonato chelate ring: Comparison of CH/π Interactions of Ni(II)-acetylacetonato chelate and benzene rings. 2006 , 359, 4427-4430	23
1513	Cu ⁺ association to some PhX (X = OH, NH ₂ , CHO, COOH, CF ₃) phenyl derivatives.: A comparison with Li ⁺ complexes. 2006 , 255-256, 20-27	23
1512	Ion/neutral complexes generated during unimolecular fragmentation: Intra-complex hydride abstraction by tert-butyl cations from electron-rich and electron-poor 1,3-diphenylpropanes. 2006 , 255-256, 195-212	20
1511	Uranium(V) and uranium(IV/V) mixed valence complexes with p-tert-butylhomocalix[n]arenes (n=4, 6). 2006 , 25, 2439-2446	10
1510	Analysis of cation-π Interactions to the structural stability of RNA binding proteins. 2006 , 47, 709-721	15
1509	Heavier alkali metal complexes of the bulky alkyl ligand 2-(bis(trimethylsilyl)methyl)-6-methylpyridine: Crystal structures of [{6-Me(2-Pyr)}(Me ₃ Si) ₂ CNa(pmdta)] and [{6-Me(2-Pyr)}(Me ₃ Si) ₂ CK] 2006 , 691, 3325-3330	6
1508	Discrimination of thermophilic and mesophilic proteins via pattern recognition methods. 2006 , 41, 552-556	22
1507	Thermodynamics of interactions between organic ammonium ions and sulfonatocalixarenes. 2006 , 443, 132-135	26
1506	Influence of electronic and steric factors on 2,3-dihydroimidazo[1,2-a]pyridine-based enantioselective acylation catalysts. 2006 , 62, 285-294	55
1505	Intrazeolite photooxygenation of chiral alkenes. Control of facial selectivity by confinement and cation-π Interactions. 2006 , 62, 10623-10632	13
1504	Functionalized thiacalix- and calix[4]arene-based Ag ⁺ ionophores: synthesis and comparative NMR study. 2006 , 62, 10215-10222	30
1503	Disproportionation reaction of diarylmethylisopropyl ethers: a versatile access to diarylmethanes from diarylcarbinols speeded up by the use of microwave irradiation. 2006 , 62, 11994-12002	32
1502	An efficient synthesis of diarylmethanes via InCl ₃ ·4H ₂ O-catalyzed dehydration of electron-rich arenes with trioxane. 2006 , 47, 2291-2294	17
1501	Two significantly different conformations in crystal: formation of a molecular dimer governed by cation-π Interactions. 2006 , 47, 5557-5560	12
1500	Exploration of the full conformational landscapes of gaseous aromatic amino acid phenylalanine: An ab initio study. 2006 , 758, 195-202	67
1499	AIM and NBO analyses of cation-π Interaction. 2006 , 774, 71-76	38

1498	First-principle studies of gaseous aromatic amino acid histidine. 2006 , 801, 7-20	35
1497	Tripodal Receptors for Cation and Anion Sensors. 2006 , 6, 978-1017	102
1496	Alkylation of phenol: a mechanistic view. 2006 , 110, 2246-52	44
1495	Asymmetric acyl-transfer promoted by readily assembled chiral 4-N,N-dialkylaminopyridine derivatives. 2006 , 4, 2785-93	50
1494	Nitrosonium complexes of [2.2]paracyclophane. 2006 , 42, 406-411	6
1493	Control of chirality by cations in confined spaces: Photooxidation of enecarbamates inside zeolite supercages. 2006 , 82, 123-31	17
1492	A comparison of intrazeolite and solution singlet oxygen Ene reactions of allylic alcohols. 2006 , 82, 1226-32	11
1491	Probing protein structure and dynamics by second-derivative ultraviolet absorption analysis of cation- $\{\pi\}$ interactions. 2006 , 15, 2228-43	50
1490	Electronic Soft Materials Based on Graphitic Nanostructures. 2006 , 38, 743-756	17
1489	Steric and energetic properties of the Cl- π -H π -Arn heterocluster. 2006 , 38, 185-191	27
1488	Investigation of Metal Ion Complexation of Coordinate Calixarene Derivatives by Electrospray-Ionization Mass Spectrometry. 2006 , 54, 147-152	13
1487	Study of interactions of various ionic species with solvents toward the design of receptors. 2006 , 115, 127-135	49
1486	Design, synthesis, and SAR studies on a series of 2-pyridinylpiperazines as potent antagonists of the melanocortin-4 receptor. 2006 , 16, 3693-6	5
1485	Recognition forces in ligand-protein complexes: blending information from different sources. 2006 , 72, 1633-45	14
1484	Self-assembly of dialkyltin moieties and mercaptobenzoic acid into macrocyclic complexes with hydrophobic "pseudo-cage" or double-cavity structures: supramolecular infrastructures involving intermolecular C-H...S weak hydrogen bonds and pi-pi interactions. 2005 , 12, 420-8	78
1483	The synthesis and characterization of all diastereomers of a linear symmetrically fused Tris-Tröger's base analogue: new chiral cleft compounds. 2006 , 12, 2692-701	37
1482	Solubilization of single-walled carbon nanotubes by using polycyclic aromatic ammonium amphiphiles in water--strategy for the design of high-performance solubilizers. 2006 , 12, 4027-34	183
1481	Calixarenes as hosts for ammonium cations: a quantum chemical study and mass-spectrometric investigations. 2006 , 12, 8995-9000	17

1480	Interactions of neutral and cationic transition metals with the redox system of hydroquinone and quinone: theoretical characterization of the binding topologies, and implications for the formation of nanomaterials. 2006 , 12, 4885-92	26
1479	Complexes between lithium cation and diphenylalkanes in the gas phase: the pincer effect. 2006 , 12, 7676-83	31
1478	Synthesis of functionalized guanidino amino acids. 2006 , 12, 8150-7	21
1477	Porous coordination polymer with pi Lewis acidic pore surfaces, {[Cu ₃ (CN) ₃ {hat(CN) ₃ (OEt) ₃ }] ₃ THF} _n . 2006 , 45, 4628-31	41
1476	Synthesis, Complexation and Spectrofluorometric Studies of a New NS3 Anthracene-Containing Macrocyclic Ligand. 2006 , 2006, 2997-3004	47
1475	Dimension Changes in a Chemomechanical Polymer Containing Ethylenediamine and Alkyl Functions as Selective Recognition Units. 2006 , 2006, 677-692	17
1474	Study on the Cation-π Interactions between Ammonium Ion and Aromatic π Systems. 2006 , 24, 1523-1530	12
1473	Interplay between cation-π, anion-π and π-π interactions. 2006 , 7, 2487-91	140
1472	Charge dependent behavior of PNA/DNA/PNA triplexes in the gas phase. 2006 , 41, 1498-508	9
1471	Porous Coordination Polymer with π Lewis Acidic Pore Surfaces, {[Cu ₃ (CN) ₃ {hat(CN) ₃ (OEt) ₃ }] ₃ THF} _n . 2006 , 118, 4744-4747	9
1470	The strength of weak interactions: aromatic fluorine in drug design. 2006 , 6, 1473-82	60
1469	Complexation behaviour of p-t -butyl-calix[4]arene propoxy derivatives toward alkali metal cations in chloroform. 2006 , 44, 449-456	9
1468	Targeting beta-amyloid pathogenesis through acetylcholinesterase inhibitors. 2006 , 12, 4377-87	167
1467	Novel triptycene-based cylindrical macrotricyclic host: synthesis and complexation with paraquat derivatives. 2006 , 8, 211-4	104
1466	A cation-π interaction between extracellular TEA and an aromatic residue in potassium channels. 2006 , 128, 649-57	51
1465	Orientation of fluorophenols on Si(111) by near edge x-ray absorption fine structure spectroscopy. 2006 , 73,	13
1464	Hydration of ion-biomolecule complexes: ab initio calculations and gas-phase vibrational spectroscopy of K ⁺ (indole) _m (H ₂ O) _n . 2006 , 124, 184301	25
1463	Cation-π complexes between alkali metal cation and para -halogenophenols. Structures, binding energies and thermodynamic properties: DFT study and CCSD(T) complete basis set limit calculations. 2006 , 104, 2317-2325	10

1462	Structural consequences of mutations in interfacial Tyr residues of a protein antigen-antibody complex. The case of HyHEL-10-HEL. 2007 , 282, 6783-91	35
1461	Recognition of trimethyllysine by a chromodomain is not driven by the hydrophobic effect. 2007 , 104, 11184-8	127
1460	Captured Molecules in Coordination Frameworks. 2007 , 32, 540-543	14
1459	The conformation of acetylcholine at its target site in the membrane-embedded nicotinic acetylcholine receptor. 2007 , 104, 18031-6	44
1458	Quantum simulation on donor and acceptor II calix[4]arene substrate and alkali metal ions: the driven inclusion. 2007 , 45, 425-433	1
1457	Structure and Conformational Properties of three-layered Cyclophanes prepared by a one-pot Synthesis. 2007 , 2007, 429-431	
1456	Density functional study of alkali-metal atoms and monolayers on graphite (0001). 2007 , 75,	87
1455	A cation-pi interaction discriminates among sodium channels that are either sensitive or resistant to tetrodotoxin block. 2007 , 282, 8044-51	73
1454	Nervous System. 927-1088	2
1453	De novo design approach based on nanorecognition toward development of functional molecules/materials and nanosensors/nanodevices. 2007 , 79, 1057-1075	37
1452	Understanding Clusters toward the Design of Functional Molecules and Nanomaterials. 2007 , 80, 1437-1450	17
1451	Spectral Properties and Charge-transfer Complexes of the Cyclophanes Having the Pyrene Moiety. 2007 , 36, 1016-1017	6
1450	Cation-pi interactions involving aromatic amino acids. 2007 , 137, 1504S-1508S; discussion 1516S-1517S	212
1449	Synthesis of Functional Derivatives of 7,8-Dicarba-nido-undecaborate Anion by Ring-Opening of Its Cyclic Oxonium Derivatives. 2007 , 72, 1676-1688	38
1448	Adsorption of polar and nonpolar organic chemicals to carbon nanotubes. 2007 , 41, 829S-300	613
1447	Molecular docking of inhibitors into monoamine oxidase B. 2007 , 360, 401-6	17
1446	Crystal structure of the ligand-binding protein EhuB from Sinorhizobium meliloti reveals substrate recognition of the compatible solutes ectoine and hydroxyectoine. 2007 , 374, 1237-50	29
1445	Methylation of lysine 4 on histone H3: intricacy of writing and reading a single epigenetic mark. 2007 , 25, 15-30	879

1444	Structural basis for lower lysine methylation state-specific readout by MBT repeats of L3MBTL1 and an engineered PHD finger. 2007 , 28, 677-91	163
1443	Influence of cation-pi interactions on RNA-binding proteins. 2007 , 40, 479-83	14
1442	Soft materials with graphitic nanostructures. 2007 , 365, 1539-52	25
1441	Pi-pi stacking assisted binding of aromatic amino acids by copper(II)-aromatic diimine complexes. Effects of ring substituents on ternary complex stability. 2007 , 299-307	41
1440	Intramolecular cation-pi interaction in organic synthesis. 2007 , 5, 2903-12	72
1439	Rigid-rod anion-pi slides for multiion hopping across lipid bilayers. 2007 , 5, 3000-12	156
1438	Effects of metal cation coordination on fluorescence properties of a diethylenetriamine bearing two end pyrene fragments. 2007 , 111, 8812-22	30
1437	Anion-pi interactions in bisadenine derivatives: a combined crystallographic and theoretical study. 2007 , 46, 10724-35	94
1436	SUPRAMOLECULAR ARSENIC COORDINATION CHEMISTRY. 2007 , 28, 97-122	24
1435	Radical Cations of the Nucleic Bases and Radiation Damage to DNA: Ab Initio Study. 2007 , 121-147	26
1434	Dual cation and anion acceptor molecules. The case of the (eta6-C6H6)(eta6C6F6)Cr0 complex. 2007 , 111, 3137-42	28
1433	The Fluorescence Properties of Free and Cation-complexed Lariat Ethers having Sidearms Terminated by a Benzene Ring. 2007 , 19, 175-183	5
1432	Ionic core-shell dendrimers with a polycationic core: structural aspects and host-guest binding properties. 2007 , 31, 1337	16
1431	A novel trinuclear Re(I) complex containing 1,3,4-thiadiazole-2,5-dithiolate: structural and spectroscopic properties. 2007 , 31, 199	12
1430	Impact of Na- and K-C pi-interactions on the structure and binding of M3(sol)n(BINOLate)3Ln catalysts. 2007 , 9, 3359-62	19
1429	Anion-Interaction-Directed Self-Assembly of Ag(I) Coordination Networks. 2007 , 7, 485-487	68
1428	MULTIWALLED CARBON NANOTUBE-BASED AROMATIC HYDROCARBON SENSOR USING ELECTRONIC DIPOLE SPECTROSCOPY. 2007 , 195, 115-128	3
1427	Synthesis and complexation study of (1,4-linked)-homothiasocalixnaphthalenes. 2007 , 31, 921	15

- 1426 Versatility of {M(30-crown-10)} (M = K⁺, Ba²⁺) as a guest in UO₂²⁺ complexes of [3.1.3.1]- and [3.3.3]homooxalixarenes. **2007**, 9, 582-590 29
- 1425 Crystal engineering of zinc(II) and copper(II) complexes containing 3,5-dimethylisoxazole-4-carboxylate ligand via O^H⋯N, C^H⋯A (A = N, O and π) and bifurcated C^H⋯N/O interactions. **2007**, 9, 35-38 11
- 1424 Cation π and arene π -perfluoroarene interactions between Cu(II) fluorine-substituted β -diketonate complex and benzenes. **2007**, 9, 215-217 28
- 1423 Stacking vs. C^H⋯ interactions between chelate and aryl rings in crystal structures of square-planar transition metal complexes. **2007**, 9, 793 61
- 1422 Cation- π interactions of bare and coordinatively saturated metal ions: contrasting structural and energetic characteristics. **2007**, 111, 11546-53 95
- 1421 The partitioning of PAHs to egg phospholipids facilitated by copper and proton binding via cation- π interactions. **2007**, 41, 8321-7 58
- 1420 Enthalpy (ΔH) and entropy (ΔS) for π -stacking interactions in near-sandwich configurations: relative importance of electrostatic, dispersive, and charge-transfer effects. **2007**, 72, 2469-75 52
- 1419 A shape-dependent hydrophobic effect for tetrazoles. **2007**, 3738-40 14
- 1418 Anion binding involving π -acidic heteroaromatic rings. **2007**, 40, 435-44 495
- 1417 The effect of solvation on biomolecular conformation: 2-amino-1-phenylethanol. **2007**, 111, 9940-54 12
- 1416 Enhanced silver ion binding to a rigid bisarene molecular cleft with formation of nonpolar pleated sheets through non-ionic intermolecular forces. **2007**, 46, 5271-5 7
- 1415 Small angle neutron scattering study of polyelectrolyte conformation incorporated into hybrid threadlike micelles under strong shear flows. **2007**, 111, 12411-7 10
- 1414 Electrospray ionization mass spectrometry of uniform and mixed monolayer nanoparticles: Au₂₅[S(CH₂)₂Ph]₁₈ and Au₂₅[S(CH₂)₂Ph]_{18-x}(SR)_x. **2007**, 129, 16209-15 181
- 1413 Lithium hexamethyldisilazide-mediated enolizations: influence of chelating ligands and hydrocarbon cosolvents on the rates and mechanisms. **2007**, 129, 12023-31 23
- 1412 Molecule Ordering Triggered by Boron Nitride Nanotubes and Green π -Chemical Functionalization of Boron Nitride Nanotubes. **2007**, 111, 18545-18549 33
- 1411 A computational study on the interaction of the nitric oxide ions NO⁺ and NO⁻ with the side groups of the aromatic amino acids. **2007**, 111, 1981-9 13
- 1410 Aromatic and cation- π interactions enhance helix-helix association in a membrane environment. **2007**, 46, 9208-14 83
- 1409 Modeling Induction Phenomena in Intermolecular Interactions with an Ab Initio Force Field. **2007**, 3, 1914-26 33

1408	Ca ²⁺ selectivity of the sarcoplasmic reticulum Ca ²⁺ -ATPase at the enzyme-water interface and in the Ca ²⁺ entrance channel. 2007 , 111, 12282-93		4
1407	A preference for edgewise interactions between aromatic rings and carboxylate anions: the biological relevance of anion-quadrupole interactions. 2007 , 111, 8242-9		55
1406	Biosorption of nonpolar hydrophobic organic compounds to Escherichia coli facilitated by metal and proton surface binding. 2007 , 41, 2750-5		53
1405	Supramolecular and Host-Guest Chemistry of Bis-phenol and Analogues. 2007 , 7, 989-1000		55
1404	MP2 study of cooperative effects between cation-anion-π interactions. 2007 , 31, 556-560		145
1403	Complexation of Al(III) by aromatic amino acids in the gas phase. 2007 , 46, 6413-9		11
1402	Side-chain conformation of the M2 transmembrane peptide proton channel of influenza A virus from 19F solid-state NMR. 2007 , 111, 10825-32		53
1401	Do the low-energy conformers of nerve agents (NAs) really have cholinesterase inhibition properties? Investigations of the low-energy conformers of acetylcholine and the two NAs sarin and soman. 2007 , 105, 2551-2564		9
1400	Role of cation-π interactions in the photodimerization of trans-4-styrylpyridines. 2007 , 129, 12100-1		115
1399	Size-specific interaction of alkali metal ions in the solvation of M ⁺ -benzene clusters by Ar atoms. 2007 , 111, 8072-9		27
1398	Cation-π-anion interaction: a theoretical investigation of the role of induction energies. 2007 , 111, 7980-6		94
1397	Cation-π control of regiochemistry of intramolecular Schmidt reactions en route to bridged bicyclic lactams. 2007 , 129, 2766-7		85
1396	Assessment of Approximate Density Functional Methods for the Study of the Interactions of Al(III) with Aromatic Amino Acids. 2007 , 3, 1830-6		8
1395	Calcium block of single sodium channels: role of a pore-lining aromatic residue. 2007 , 93, 2341-9		35
1394	Anions and π-Aromatic Systems. Do They Interact Attractively?. 2007 , 127-174		50
1393	Influence of the d orbital occupation on the nature and strength of copper cation-π interactions: threshold collision-induced dissociation and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 5902-18	3.6	41
1392	K-39 quadrupolar and chemical shift tensors for organic potassium complexes and diatomic molecules. 2007 , 111, 12859-63		15
1391	Chiral dialkylaminopyridine catalysts in asymmetric synthesis. <i>Chemical Reviews</i> , 2007 , 107, 5570-95	68.1	261

1390	Enzymatic synthesis of cyclic triterpenes. 2007 , 24, 1311-31	175
1389	Interplay of dual reactivity in the reaction of pentafulvenes with 1,2,4-triazoline-3,5-diones: experimental and theoretical investigations. 2007 , 31, 237-246	11
1388	Mechanisms of oxygenations in zeolites. 2007 , 42, 225-269	3
1387	Induced-Polarization Energy Map: A Helpful Tool for Predicting Geometric Features of Anion- π Complexes. 2007 , 3, 2098-107	17
1386	Dissecting the general physicochemical properties of noncovalent interactions involving tyrosine side chain as a second-shell ligand in biomolecular metal-binding site mimetics: an experimental study combining fluorescence, ¹³ C NMR spectroscopy and ESI mass spectrometry. 2007 , 13, 3120-30	7
1385	Sodium cation migration above the diimine π -system of solvent coordinated dpp-BIAN sodium aluminum complexes (dpp-BIAN=1,2-bis[(2,6-diisopropylphenyl)imino]acenaphthene). 2007 , 13, 4216-22	37
1384	Effects of chain length and N-methylation on a cation- π interaction in a beta-hairpin peptide. 2007 , 13, 5753-64	54
1383	Organometallic polymers assembled from cation- π interactions: use of ferrocene as a ditopic linker within the homologous series $[(\text{Me}_3\text{Si})_2\text{NM}]_2(\text{Cp}_2\text{Fe})_n$ (M=Na, K, Rb, Cs; Cp=cyclopentadienyl). 2007 , 13, 4418-32	48
1382	Synthesis of a new π -deficient phenylalanine derivative from a common 1,4-diketone intermediate and study of the influence of aromatic density on prolyl amide isomer population. 2007 , 88, 290-9	11
1381	A mixed- α,β miniprotein stereochemically reprogrammed to high-binding affinity for acetylcholine. 2007 , 87, 231-43	20
1380	Phosphate recognition in structural biology. 2007 , 46, 338-52	229
1379	1:1 Cross-assembly of two beta-diketonate complexes through arene-perfluoroarene interactions. 2007 , 46, 7617-20	46
1378	Palladium fluoro complexes: useful tools to access organometallic metallamacrocycles. 2007 , 46, 8674-8	35
1377	Molecular modeling of estrogen receptor using molecular operating environment. 2007 , 35, 238-43	36
1376	Molekulare Erkennung von Phosphaten in der Strukturbiologie. 2007 , 119, 342-357	33
1375	1:1 Cross-Assembly of Two β -Diketonate Complexes through Arene-Perfluoroarene Interactions. 2007 , 119, 7761-7764	9
1374	Palladium Fluoro Complexes: Useful Tools To Access Organometallic Metallamacrocycles. 2007 , 119, 8828-8832	21
1373	Modifying the OPLS-AA force field to improve hydration free energies for several amino acid side chains using new atomic charges and an off-plane charge model for aromatic residues. 2007 , 28, 689-97	42

- 1372 A Combined Experimental and Theoretical Study of Anion- π Interactions in Bis(pyr-imidine) Salts. **2007**, 2007, 5821-5825 29
- 1371 ^{133}Cs diffusion NMR spectroscopy: a tool for probing metal cation- π interactions in water. **2007**, 8, 643-5 14
- 1370 Methodology for the calculation of the potential of mean force for a cation- π complex in water. **2007**, 8, 1648-56 8
- 1369 Formation and physicochemical features of hybrid threadlike micelles in aqueous solution. **2007**, 8, 2568-74 12
- 1368 Thermochemistry, bonding, and reactivity of Ni^+ and Ni^{2+} in the gas phase. **2007**, 26, 474-516 34
- 1367 Raman spectroscopy of protein pharmaceuticals. **2007**, 96, 2861-78 166
- 1366 Alumina-mediated dealkylative dimerization of 4-aminobenzyl esters. **2007**, 63, 6051-6055 11
- 1365 Intra-annular cyclophane diamines as proton sponges: a computational study. **2007**, 63, 7970-7976 13
- 1364 Biting effect-stabilizing gallate-type catechin/quaternary ammonium ion complexes. **2007**, 63, 9802-9809 6
- 1363 An efficient synthesis of unsymmetrical diarylmethanes from the dehydration of arenes with benzyl alcohols using $\text{InCl}_3 \cdot \text{H}_2\text{O}$ /acetylacetonate catalyst system. **2007**, 63, 10185-10188 44
- 1362 Aqua-organocatalyzed direct asymmetric aldol reaction with acyclic amino acids and organic bases with control of diastereo- and enantioselectivity. **2007**, 18, 390-395 64
- 1361 Colorimetric recognition of the length of β , β -diamines in water. **2007**, 48, 2135-2138 4
- 1360 Synthesis and X-ray crystallographic investigation of a novel indole-based cryptand: structure of a sandwiched cyclic S_6 hexameric methanol cluster. **2007**, 48, 2909-2913 11
- 1359 l-Lysine-linked anthracenophane derived from thermodynamically controlled intermediates. **2007**, 48, 3225-3228 4
- 1358 A new fluorogenic mono-ionizable calix[4]arene dansylcarboxamide as a selective chemosensor of soft metal ions, Tl^+ and Hg^{2+} . **2007**, 48, 8022-8025 24
- 1357 A flexible dibenzo-O $_4$ S $_2$ -macrocyclic twist-and-squeeze type metal binding via synergic action of metal- π and metal- π interactions. **2007**, 48, 8464-8467 13
- 1356 The ground state Li^+ affinities of a series of substituted acetophenones: A DFT study. **2007**, 808, 157-159 12
- 1355 Cesium cation complexation by 25,27-dihydroxycalix[4]arene-crown-6: Computational study. **2007**, 815, 83-86 9

- 1354 Carbocation- π interaction with Carbazepine molecular dynamics: Ab initio molecular dynamics investigation of complex of methyl cation with benzene. **2007**, 435, 24-28 12
- 1353 Effect of ring annelation on Li⁺-Benzene interaction: A computational study. **2007**, 443, 205-210 25
- 1352 The nature of interactions in uracil dimer: An ab initio study. **2007**, 450, 132-137 25
- 1351 Actions between neonicotinoids and key residues of insect nAChR based on an ab initio quantum chemistry study: hydrogen bonding and cooperative pi-pi interaction. **2007**, 15, 2624-30 42
- 1350 3D-QSAR studies with the aid of molecular docking for a series of non-steroidal FXR agonists. **2007**, 17, 2156-60 8
- 1349 The s-triazine ring, a remarkable unit to generate supramolecular interactions. **2007**, 360, 381-404 133
- 1348 Vibrational and structural mapping of [Os(bpy)₃]^{3+/2+} and [Os(phen)₃]^{3+/2+}. **2007**, 360, 1143-1153 21
- 1347 Aspirin revealed: A cationization strategy for detecting acetylsalicylic acid by MALDI mass spectrometry. **2007**, 261, 192-198 10
- 1346 Cation- π interactions with a five-membered nitrogen heterocycle: Structures and absolute binding energies of alkali metal cation-pyrrole complexes. **2007**, 267, 233-247 18
- 1345 Cesium cation affinities and basicities. **2007**, 267, 7-23 42
- 1344 Exploring the role of cation- π interactions in glycoproteins lipid-binding proteins and RNA-binding proteins. **2007**, 247, 346-53 11
- 1343 1D Chain and 3D framework of silver(I) organo-metallic polymers self-assembled with triptycene. **2007**, 26, 2455-2460 11
- 1342 Computation of through-space NMR shielding effects by aromatic ring-cation complexes: substantial synergistic effect of complexation. **2007**, 25, 806-12 9
- 1341 Cation- π interaction in potassium-polyene complexes and the fate of potassium ion: a theoretical study. **2007**, 26, 783-7 1
- 1340 Ca²⁺ vs. Ba²⁺ electrochemical detection by two disubstituted ferrocenyl chalcone chemosensors. Study of the ligand-metal interactions in CH₃CN. **2007**, 692, 874-886 52
- 1339 Bis(trifluoromethanesulfonato- λ O:O λ)bis[aqua(1,4,7,10,13,16-hexaoxacyclooctadecane- λ O)]barium(II) bis(trifluoromethanesulfonate). **2007**, 63, m3151-m3152
- 1338 Starch Derivatives of High Degree of Functionalization. 13. Novel Amphiphilic Starch Products. **2007**, 59, 199-207 22
- 1337 Cation-aromatic database. **2007**, 67, 1179-84 63

1336	Interaction geometry involving planar groups in protein-protein interfaces. 2007 , 67, 84-97	21
1335	Structural determinants responsible for the thermostability of Sso7d and its single point mutants. 2007 , 67, 766-75	9
1334	Novel cation-pi interaction revealed by crystal structure of thermoalkalophilic lipase. 2008 , 70, 592-8	60
1333	Cation sitting in aromatic cages: ab initio computational studies on tetramethylammonium(benzene) _n (n=3-4) complexes. 2007 , 20, 448-453	10
1332	The model student: what chemical model systems can teach us about biology. 2007 , 3, 70-3	24
1331	How chromatin-binding modules interpret histone modifications: lessons from professional pocket pickers. 2007 , 14, 1025-1040	1141
1330	Sorption of polycyclic aromatic hydrocarbons to mineral surfaces. 2007 , 58, 918-931	85
1329	Geometry of nonbonded interactions involving planar groups in proteins. 2007 , 95, 83-137	151
1328	Lithium diisopropylamide-mediated reactions of imines, unsaturated esters, epoxides, and aryl carbamates: influence of hexamethylphosphoramide and ethereal cosolvents on reaction mechanisms. 2007 , 129, 14818-25	31
1327	Synthesis of upper-rim allyl- and p-methoxyphenylazocalix[4]arenes and their efficiencies in chromogenic sensing of Hg ²⁺ ion. 2007 , 72, 2434-42	61
1326	Close contacts between carbonyl oxygen atoms and aromatic centers in protein structures: pi...pi or lone-pair...pi interactions?. 2007 , 111, 8680-3	84
1325	Iterative Structure-Based Screening of Virtual Chemical Libraries and Factor Xa: Finding the Orally Available Antithrombotic Candidate LY517717. 2007 , 173-192	1
1324	Charge-charge and cation-π interactions in ligand binding to G protein-coupled receptors. 2007 , 118, 579-588	7
1323	The synthesis, crystal structure and thermal studies of a mixed-ligand 1,10-phenanthroline and hexamethylenetetramine complex of lanthanum nitrate. Insight into coordination sphere geometry changes of lanthanide(III) 1,10-phenanthroline complexes. 2007 , 32, 625-633	21
1322	Pi-pi interaction between aromatic ring and copper-coordinated His81 imidazole regulates the blue copper active-site structure. 2007 , 12, 165-73	39
1321	Organometallic cavitands: Cation-π interactions and anion binding via π-metallation. 2007 , 251, 1747-1760	71
1320	Voltammetric studies for cation recognition with thiacalix[4]crown-6s. 2008 , 615, 103-109	4
1319	pH-dependent structures and properties of casein micelles. 2008 , 136, 67-73	160

- 1318 Benzaldimines as ligands for palladium in Suzuki-Miyaura reactions. **2008**, 49, 6304-6307 31
- 1317 The use of a molecular balance derived from 5,5'-bipyrazole to calculate π -stacking interactions. **2008**, 49, 7246-7249 12
- 1316 O-Ethoxycarbonylmethoxy esters of homocalix[n]naphthalenes: synthesis and recognition behaviour towards alkali cations. **2008**, 60, 43-49 6
- 1315 MP2 Study of synergistic effects between $X\cdots Y$ ($X = C, N, O$) and π -interactions. **2008**, 120, 385-393 60
- 1314 Research progress in cation- π interactions. **2008**, 51, 709-717 23
- 1313 Self assembly of C-methyl resorcin[4]arene with coumarin and thiocoumarin: A nanotubular array with a near perfect lock and key fit. **2008**, 120, 39-44 8
- 1312 Differences in amino acids composition and coupling patterns between mesophilic and thermophilic proteins. **2008**, 34, 25-33 117
- 1311 Reactive desorption electrospray ionization for rapid screening of guests for supramolecular inclusion complexes. **2008**, 22, 4121-8 24
- 1310 Theoretical studies on the binding models of tetramethylammonium with phenol: Cation- π and hydrogen-bond interactions. **2008**, 108, 1294-1303 3
- 1309 Assembly of bioinspired helical protein fibers. **2008**, 19, 454-468 23
- 1308 Cooperative interaction of H_3O^+ with 1,3-alternate tetrapropoxycalix[4]arene: NMR and theoretical study. **2008**, 46, 235-43 9
- 1307 Cooperative interaction of n-butylammonium ion with 1,3-alternate tetrapropoxycalix [4]arene: NMR and theoretical study. **2008**, 46, 399-407 6
- 1306 1H and ^{13}C NMR assignments for new heterocyclic TAM leuco dyes, (2Z,2'E)-2,2'-(2-phenyl propane-1,3-diylidene) bis(1,3,3-trimethylindoline) derivatives. Part II. **2008**, 46, 872-7 10
- 1305 Preparation of novel azabicyclic amines and α 7 nicotinic acetylcholine receptor activity of derived aryl amides. **2008**, 45, 247-257 6
- 1304 Benzene polyphosphates as tools for cell signalling: inhibition of inositol 1,4,5-trisphosphate 5-phosphatase and interaction with the PH domain of protein kinase Balpha. **2008**, 9, 1757-66 15
- 1303 Tryptophan π -electron system capping a copper(I) binding site--a new organometallic bonding mode in proteins. **2008**, 9, 1697-9 3
- 1302 A fluorescent molecular switch driven by the input sequence of metal cations: an azamacrocyclic ligand containing bipolar anthracene fragments. **2008**, 14, 259-71 27
- 1301 Reactive sieving with foldamers: inspiration from nature and directions for the future. **2008**, 14, 2650-7 98

1300	The phenoxy/phenol/copper cation: a minimalistic model of bonding relations in active centers of mononuclear copper enzymes. 2008 , 14, 4318-27	58
1299	Generation and reactivity of enantiomeric (BINOLato)Ni ⁺ complexes with chiral secondary alcohols in the gas phase. 2008 , 14, 5957-65	7
1298	The basicity of unsaturated hydrocarbons as probed by hydrogen-bond-acceptor ability: bifurcated N-H+ ... π hydrogen bonding. 2008 , 14, 7880-91	22
1297	Complete basis set limit of Ab initio binding energies and geometrical parameters for various typical types of complexes. 2008 , 29, 1208-21	142
1296	Studies on Nickel(II) Complexes with Amide-Based Ligands: Syntheses, Structures, Electrochemistry and Oxidation Chemistry. 2008 , 2008, 2052-2063	26
1295	Lewis base catalysis in organic synthesis. 2008 , 47, 1560-638	1010
1294	Design and formation of a large tetrahedral cluster using 1,1'-binaphthyl ligands. 2008 , 47, 6062-4	63
1293	[Ru(phgly) ₂ (binap)]/Li ₂ CO ₃ : a highly active, robust, and enantioselective catalyst for the cyanosilylation of aldehydes. 2008 , 47, 6643-6	89
1292	Highly stereoselective ring expansion reactions mediated by attractive cation- π interactions. 2008 , 47, 6233-5	53
1291	Synthetic ion channel based on metal-organic polyhedra. 2008 , 47, 5755-7	179
1290	Lewis-Base-Katalyse in der organischen Synthese. 2008 , 120, 1584-1663	289
1289	Design and Formation of a Large Tetrahedral Cluster Using 1,1'-Binaphthyl Ligands. 2008 , 120, 6151-6153	22
1288	[Ru(phgly) ₂ (binap)]/Li ₂ CO ₃ : A Highly Active, Robust, and Enantioselective Catalyst for the Cyanosilylation of Aldehydes. 2008 , 120, 6745-6748	32
1287	Highly Stereoselective Ring Expansion Reactions Mediated by Attractive Cation- π Interactions. 2008 , 120, 6329-6331	13
1286	Synthetic Ion Channel Based on Metal-Organic Polyhedra. 2008 , 120, 5839-5841	44
1285	Selective recognition of Ca ²⁺ ions using novel polymeric phenols. 2008 , 90, 89-92	9
1284	Role of cation- π interactions in single chain 'all-alpha' proteins. 2008 , 250, 655-62	16
1283	Elucidating the protein cold-adaptation: Investigation of the parameters enhancing protein psychrophilicity. 2008 , 255, 113-8	12

1282	Interplay between cation- π and hydrogen bonding interactions. 2008 , 456, 257-261	76
1281	Cation- π complexes formed between cyclooctatetraene and alkaline earth metals: Predicted and recorded NMR features. 2008 , 462, 45-48	18
1280	Emerging trends in molecular recognition: utility of weak aromatic interactions. 2008 , 16, 126-43	95
1279	Unprecedented coordination chemistry of a chloro(phosphine)gold(I) complex: [(Ad ₂ BnP) ₂ Au][AuCl ₂]. 2008 , 11, 409-412	20
1278	Self-assembly of Pd(II) and Pt(II) complexes with 2,2'-bipyridine-3,3''-16-crown-4 containing porous channels through anion- π interactions. 2008 , 11, 557-560	4
1277	Preparation, telomerization, immobilization and application of N-alkyl L-phenylalanine-derived polymerizable organogelator for reversed-phase high-performance liquid chromatography. 2008 , 1203, 59-66	17
1276	Alkali metal complexation properties of resorcinarene bis-crown ethers: effect of the crown ether functionality and preorganization on complexation. 2008 , 64, 1798-1807	33
1275	Remote aromatic stabilization in radical reactions. 2008 , 49, 3613-3615	9
1274	Photodissociation studies of calcium π oronene and calcium π yreene cation clusters. 2008 , 269, 55-61	4
1273	Structures, energetics and spectroscopy of gas phase transition metal ion π benzene complexes. 2008 , 272, 99-118	84
1272	Structural basis for catalytic and inhibitory mechanisms of beta-hydroxyacyl-acyl carrier protein dehydratase (FabZ). 2008 , 283, 5370-9	53
1271	Self-Assembly and Supramolecular Assembly in Nanophase Separated Polymers and Thin Films. 2008 , 220-304	1
1270	Modulation and binding properties of extended glycoluril molecular clips. 2008 , 32, 643	13
1269	Cu(I) recognition via cation- π and methionine interactions in CusF. 2008 , 4, 107-9	191
1268	Copper shares a piece of the π . 2008 , 4, 85-6	19
1267	Small molecule versus DNA repair nanomachine. 2008 , 4, 86-8	2
1266	Four-tiered π interaction at the dimeric interface of HIV-1 integrase critical for DNA integration and viral infectivity. 2008 , 377, 355-63	22
1265	Characterization and electrocatalytic application of a fullerene/ionic-liquid composite. 2008 , 62, 980-983	11

1264	Origin of enantioselectivity in CF ₃ -PIP-catalyzed kinetic resolution of secondary benzylic alcohols. 2008 , 130, 13836-7		98
1263	Structures and energetics of the cation- π interactions of Li ⁺ , Na ⁺ , and K ⁺ with cup-shaped molecules: effect of ring addition to benzene and cavity selectivity. 2008 , 112, 7916-24		30
1262	Hypervalent hydridosilicates: synthesis, structure and hydride bridging. 2008 , 271-82		48
1261	Self-assembly dynamics of modular homoditopic bis-calix[5]arenes and long-chain α,ω -alkanediyldiammonium components. 2008 , 73, 7280-9		53
1260	Car-Parrinello MD simulations for the Na ⁺ -phenylalanine complex in aqueous solution. 2008 , 112, 12783-9		15
1259	Enhanced sorption of polycyclic aromatic hydrocarbons to tetra-alkyl ammonium modified smectites via cation- π interactions. 2008 , 42, 1109-16		80
1258	A quantum mechanic/molecular mechanic study of the wild-type and N155S mutant HIV-1 integrase complexed with diketo acid. 2008 , 94, 2443-51		22
1257	Effect of variation of the strength of the aromatic interactions of tryptophan on the cooperative structural refolding behavior of a peptide from HIV 1. 2008 , 95, 3381-90		9
1256	Solvent-Driven Structural Changes in Anion- π Complexes. 2008 , 4, 1162-9		60
1255	Nature and physical origin of CH/ π interaction: significant difference from conventional hydrogen bonds. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 2584-94	3.6	276
1254	First cross-coupling reaction of potassium aryltrifluoroborates with organic chlorides in aqueous media catalyzed by an oxime-derived palladacycle. 2008 , 10, 5011-4		98
1253	General Introduction. 2008 , 406-412		
1252	Evidence for the cation- π interaction between Cu ²⁺ and tryptophan. 2008 , 130, 15266-7		91
1251	Synthesis, Structures, Dynamics, and Ethylene Polymerization Activity of Nickel Complexes Containing an ortho-Methoxy-aryl Diphosphine Ligand. 2008 , 27, 2107-2117		28
1250	Concurrent anion... π interactions between a perchlorate ion and two π -acidic aromatic rings, namely pentafluorophenol and 1,3,5-triazine. 2008 , 3384-6		79
1249	The role of cation- π interactions in capsule formation: co-crystals of resorcinarenes and alkyl ammonium salts. 2008 , 10, 1803		16
1248	Boron nitride nanotubes: functionalization and composites. 2008 , 18, 3900		199
1247	Lone pair- π interactions: a new supramolecular bond?. 2008 , 10, 1501		444

1246	Semiquinone in Molecularly Imprinted Hybrid Amino Acid/SiO ₂ Biomimetic Materials. An Experimental and Theoretical Study. 2008 , 112, 12841-12852		13
1245	Synthesis of functionalised diarylmethanes via a cobalt-catalysed cross-coupling of arylzinc species with benzyl chlorides. 2008 , 5019-21		87
1244	Investigation of cation- π interactions in biological systems. 2008 , 130, 12554-5		60
1243	Stacking interactions between nitrogen-containing six-membered heterocyclic aromatic rings and substituted benzene: studies in solution and in the solid state. 2008 , 73, 1803-8		51
1242	Crown-ether enclosure generated by ionic liquid components: synthesis, crystal structure and Raman spectra of compounds of imidazolium based salts and 18-crown-6. 2008 , 10, 103-110		18
1241	Aggregation properties of aqueous casein hydrolysate solutions at different pH. 2008 , 18, 1022-1027		9
1240	Macromolecules in Ionic Liquids: Progress, Challenges, and Opportunities. 2008 , 41, 3739-3749		512
1239	Structure-based drug design: exploring the proper filling of apolar pockets at enzyme active sites. 2008 , 73, 4345-61		86
1238	Quantum chemical studies on hydrogen adsorption in carbon-based model systems: role of charged surface and the electronic induction effect. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 5832-9	3.6	44
1237	Why single-walled carbon nanotubes can be dispersed in imidazolium-based ionic liquids. 2008 , 2, 2540-6		269
1236	Thermodynamics of stacking interactions in proteins. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 2673-85	3.85	70
1235	Carbohydrate- π interactions: what are they worth?. 2008 , 130, 14625-33		168
1234	Pyrroles and their Benzo Derivatives: Reactivity. 2008 , 45-268		29
1233	The Role of Functional Groups in Drug/Receptor Interactions. 2008 , 464-480		7
1232	Chapter 4 Synthesis of molecular tweezers and clips by the use of a molecular lego set and their supramolecular functions. 2008 , 99-V		3
1231	Anion-arene adducts: C-H hydrogen bonding, anion- π interaction, and carbon bonding motifs. 2008 , 2417-28		351
1230	A theoretical study of the cohesion of noble gases on graphite. 2008 , 128, 024709		18
1229	Exo-coordinated discrete and continuous supramolecular silver(I) complexes with thiaoxa-macrocycles. 2008 , 32, 258-263		17

1228	Induction effects in metal cation-benzene complexes. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 2616-24	73
1227	π-Stacking induced complexes with Z-shape motifs featuring a complementary approach between electron-rich arene diamines and electron-deficient aromatic N-heterocycles. 2008 , 10, 1003	48
1226	Encapsulation of charge-diffuse peralkylated onium cations in the cavity of cucurbit[7]uril. 2008 , 4936-8	54
1225	Exploring the size dependence of cyclic and acyclic π-systems on cation-π binding. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 582-90	3.6 130
1224	Dipole effects on cation-π interactions: absolute bond dissociation energies of complexes of alkali metal cations to N-methylaniline and N,N-dimethylaniline. 2008 , 112, 7996-8008	34
1223	Use of calculated cation-π binding energies to predict relative strengths of nicotinic acetylcholine receptor agonists. 2008 , 3, 693-702	7
1222	Experimental Observation of Supramolecular Carbonyl-π-Carbonyl and Carbonyl-π-Anion Assemblies Supported by Theoretical Studies. 2008 , 8, 3773-3784	63
1221	Henry's Law Constants for Fragrance and Organic Solvent Compounds in Aqueous Industrial Surfactants. 2008 , 53, 1071-1079	7
1220	Ag(I) Complexes Containing N-Phenyl-N'-cyano-formamidine: Syntheses, Structures, and Ligand Conformations. 2008 , 8, 470-477	59
1219	Computational study on the characteristics of the interaction in naphthalene...(H ₂ X) _{n=1,2} (X = O,S) clusters. 2008 , 112, 6344-50	48
1218	Structure-directed reversion in the π-facial stereoselective alkylation of chiral bicyclic lactams. 2008 , 73, 7756-63	12
1217	Anion Recognitions via Cocrystallizations with Organic Acids in the Efficient Self-Assembly of Nanoscopic One-Dimensional Molecular Chains (Wires). 2008 , 8, 1327-1334	77
1216	Tuning the dispersion of multiwall carbon nanotubes in co-continuous polymer blends: a generic approach. 2008 , 19, 335704	53
1215	Importance of the solvent-exposed residues of the insulin B chain alpha-helix for receptor binding. 2008 , 47, 4743-51	44
1214	Cys-loop neuroreceptors: structure to the rescue?. <i>Chemical Reviews</i> , 2008 , 108, 1642-53	68.1 91
1213	Generation of nucleophilic character in the Cys25/His159 ion pair of papain involves Trp177 but not Asp158. 2008 , 47, 2025-35	24
1212	Physical organic chemistry on the brain. 2008 , 73, 3667-73	43
1211	Energy Analysis of Zn Polycoordination in a Metalloprotein Environment and of the Role of a Neighboring Aromatic Residue. What Is the Impact of Polarization?. 2008 , 4, 1659-68	21

1210	Rational design of macrometallo-cyclic trinuclear complexes with superior pi-acidity and pi-basicity. 2008 , 130, 1669-75	95
1209	Cubic Metal-Organic Polyhedrons of Nickel(II) Imidazole-dicarboxylate Depositing Protons or Alkali Metal Ions. 2008 , 8, 2458-2463	49
1208	A nonsymmetric pincer-catalyzed Suzuki-Miyaura arylation of benzyl halides and other nonactivated unusual coupling partners. 2008 , 73, 8448-51	78
1207	Coordination complexes exhibiting anion...pi interactions: synthesis, structure, and theoretical studies. 2008 , 47, 5873-81	68
1206	Decabromobiphenyl (PBB-209) activates the aryl hydrocarbon receptor while decachlorobiphenyl (PCB-209) is inactive: experimental evidence and computational rationalization of the different behavior of some halogenated biphenyls. 2008 , 21, 643-58	16
1205	First Principles Study of Alkali-Tyrosine Complexes: Alkali Solvation and Redox Properties. 2008 , 4, 1049-56	12
1204	Cyamelic Acid as Anion- π Type Receptor for ClO_4^- and NO_3^- : π -Stacked and Edge-to-Face Structures. 2008 , 4, 1401-7	81
1203	Polyfunctional recognition of pyridine-dicarboxylate anions with macrocyclic polyamine receptors containing heteroaromatic groups. 2008 , 73, 8286-95	11
1202	Nonbonded, attractive cation- π interactions in azide-mediated asymmetric ring expansion reactions. 2008 , 73, 3318-27	29
1201	A multinuclear solid-state NMR study of alkali metal ions in tetraphenylborate salts, $\text{M}[\text{BPh}_4]$ ($\text{M} = \text{Na}, \text{K}, \text{Rb}$ and Cs): what is the NMR signature of cation- π interactions?. 2008 , 112, 10359-64	29
1200	MagicWand: a single, designed peptide that assembles to stable, ordered alpha-helical fibers. 2008 , 47, 10365-71	59
1199	Determination of the effect of cation- π interactions on the stability of alpha-oxy-organolithium compounds. 2008 , 73, 7394-7	21
1198	Examination of the mechanism of human brain aspartoacylase through the binding of an intermediate analogue. 2008 , 47, 3484-92	34
1197	Factor Xa active site substrate specificity with substrate phage display and computational molecular modeling. 2008 , 283, 12343-53	24
1196	Specificity of the chromodomain Y chromosome family of chromodomains for lysine-methylated ARK(S/T) motifs. 2008 , 283, 19626-35	86
1195	Crystal structures of the choline/acetylcholine substrate-binding protein ChoX from <i>Sinorhizobium meliloti</i> in the liganded and unliganded-closed states. 2008 , 283, 32848-59	78
1194	Host-Guest Chemistry of Self-Assembling Supramolecular Capsules in the Gas Phase. 2008 , 20, 117-128	26
1193	Critical contribution of aromatic rings to specific recognition of polyether rings. The case of ciguatoxin CTX3C-ABC and its specific antibody 1C49. 2008 , 283, 12259-66	14

1192	Density functional theory studies of inorganic metallocene multidecker V(n)(P(6))(n+1) (n=1-4) sandwich clusters. 2008 , 128, 104706	19
1191	Interaction of gas molecules with Ti-benzene complexes. 2008 , 129, 074305	19
1190	Theoretical study of the structures and electronic properties of all-surface KI and CsI nanocrystals encapsulated in single walled carbon nanotubes. 2008 , 129, 154701	13
1189	The Role of Functional Groups in Drug Receptor Interactions. 2008 , 359-378	6
1188	Electrostatic contributions of aromatic residues in the local anesthetic receptor of voltage-gated sodium channels. 2008 , 102, 86-94	136
1187	Vibrational analysis of p - tert -butyl-calix[4]arene conformers by ab initio calculations. 2008 , 46, 379-389	10
1186	The compatible-solute-binding protein OpuAC from Bacillus subtilis: ligand binding, site-directed mutagenesis, and crystallographic studies. 2008 , 190, 5663-71	43
1185	Binding enhancements of nicotinic acid to water-soluble zinc porphyrins based on triple attractions of coordination, Coulomb, and CH- π interactions. 2008 , 56, 969-72	1
1184	Electrostatic and potential cation- π forces may guide the interaction of extracellular loop III with Na ⁺ and bile acids for human apical Na ⁺ -dependent bile acid transporter. 2008 , 410, 391-400	17
1183	Study of the interaction in clusters formed by phenol and CH ₃ X (X=CN,F,Cl) molecules. 2008 , 128, 194311	11
1182	Characteristics of the interaction of azulene with water and hydrogen sulfide: A computational study. 2008 , 129, 084305	20
1181	Molecular recognition models: a challenge to overcome. 2008 , 9, 1077-83	14
1180	Structural elements regulating amyloidogenesis: a cholinesterase model system. 2008 , 3, e1834	9
1179	Synthesis and properties of calix[4]arene telluropodant ethers as Ag ⁺ selective sensors and Ag ⁺ , Hg ²⁺ extractants. 2009 , 5, 59	1
1178	Selective Formation of Allylic Hydroperoxides via Singlet Oxygen ene Reaction. 2009 ,	
1177	Combined experimental and quantum chemical investigation of chiroptical properties of nicotinamide derivatives with and without intramolecular cation- π interactions. 2009 , 113, 8754-64	31
1176	Anion- π interaction stitching 2-D layers formed by self-assembly of cations of a mononuclear copper(II) complex: synthesis, crystal structure and magnetism of [Cu(OAc)(2,2'-dypam) ₂](ClO ₄) [HOAc = acetic acid, 2,2'-dypam = 2,2'-dipyridylamine]. 2009 , 62, 540-551	20
1175	Study of the interaction between water and hydrogen sulfide with polycyclic aromatic hydrocarbons. 2009 , 130, 234307	26

1174	THE INFLUENCES OF OXIDATION AND CATIONIZATION ON THE N-GLYCOSIDIC BOND STABILITY OF 8-OXO-2'-DEOXYADENOSINE [A THEORETICAL STUDY. 2009 , 08, 1253-1264	6
1173	Selectivity of cateslytin for fungi: the role of acidic lipid-ergosterol membrane fluidity in antimicrobial action. 2009 , 23, 3692-701	17
1172	Probing the role of the cation-pi interaction in the binding sites of GPCRs using unnatural amino acids. 2009 , 106, 11919-24	61
1171	An electrostatic interaction between TEA and an introduced pore aromatic drives spring-in-the-door inactivation in Shaker potassium channels. 2009 , 134, 461-9	13
1170	Molybdenum(VI) network polymers based on anion-pi interaction and hydrogen bonding: Synthesis, crystal structures and oxidation catalytic application. 2009 , 11, 1955-1960	3
1169	Gas-Phase Cation Affinity and Basicity Scales. 323-399	
1168	Bindungsmechanismen in supramolekularen Komplexen. 2009 , 121, 3982-4036	177
1167	Kation-pi Wechselwirkungen im aktiven Zentrum von Faktor Xa: drastische Verstärkung durch stufenweise N-Alkylierung von Ammoniumionen. 2009 , 121, 825-828	17
1166	Enantioselective recognitions of chiral molecular tweezers containing imidazoliums for amino acids. 2009 , 21, 539-46	20
1165	Silver-ethene complexes [Ag(eta(2)-C2H4)n][Al(OR(F))4] with n = 1, 2, 3 (R(F) = fluorine-substituted group). 2009 , 15, 9505-20	67
1164	The role of arginine 28 in catalysis by dihydrofolate reductase from the hyperthermophile Thermotoga maritima. 2009 , 10, 2624-7	9
1163	A simple calixarene recognizes post-translationally methylated lysine. 2010 , 11, 63-6	76
1162	Computational investigation of hydrogen adsorption by alkali-metal-doped organic molecules: role of aromaticity. 2009 , 10, 427-35	34
1161	Site-dependent excited-state dynamics of a fluorescent probe bound to avidin and streptavidin. 2009 , 10, 1517-32	16
1160	Self-Association of [PtII(1,10-Phenanthroline)(N-pyrrolidyl-N-(2,2-dimethylpropanoyl)thiourea)]+ and Non-Covalent Outer-Sphere Complex Formation with Fluoranthene through Cation-pi Interactions: A High-Resolution 1H and DOSY NMR Study. 2009 , 2009, 1626-1633	11
1159	Anion-pi Lone-Pair-pi and Hydrogen-Bonding Interactions in a CuII Complex of 2-Picolinate and Protonated 4,4'-Bipyridine: Crystal Structure and Theoretical Studies. 2009 , 2009, 2238-2246	87
1158	Synthetic and Mechanistic Aspects of Acid-Catalyzed Disproportionation of Dialkyl Diarylmethyl Ethers: A Combined Experimental and Theoretical Study. 2009 , 2009, 4346-4351	17
1157	Using electronic polarization from the internal continuum (EPIC) for intermolecular interactions. 2010 , 31, 811-24	7

1156	Self-concentration effects in preparative SEC of mineral electrolytes using nanoporous neutral polymeric sorbents. 2009 , 32, 64-73	9
1155	Boron Mimetics: 1,2-Dihydro-1,2-azaborines Bind inside a Nonpolar Cavity of T4 Lysozyme. 2009 , 121, 6949-6951	40
1154	Binding mechanisms in supramolecular complexes. 2009 , 48, 3924-77	910
1153	Cation-pi interactions at the active site of factor Xa: dramatic enhancement upon stepwise N-alkylation of ammonium ions. 2009 , 48, 811-4	71
1152	Boron mimetics: 1,2-dihydro-1,2-azaborines bind inside a nonpolar cavity of T4 lysozyme. 2009 , 48, 6817-9	105
1151	A highly selective fluorescent chemosensor for silver(I) in water/ethanol mixture. 2009 , 50, 671-675	67
1150	Iodine-catalyzed Friedel-Crafts alkylation of electron-rich arenes with aldehydes: efficient synthesis of triarylmethanes and diarylalkanes. 2009 , 50, 6012-6015	51
1149	The Li ⁺ affinities of a series of substituted acetophenones in their low-lying excited triplet state: A DFT study. 2009 , 894, 71-74	0
1148	Recent advances in NADH electrochemical sensing design. 2009 , 76, 126-34	155
1147	Comparison of thermochemistry of aspartame (artificial sweetener) and glucose. 2009 , 344, 127-33	11
1146	Experimental studies of collisions of excited Li(4p) atoms with C ₂ H ₄ , C ₂ H ₆ , C ₃ H ₈ and theoretical interpretation of the Li-C ₂ H ₄ system. 2009 , 355, 157-163	1
1145	Affinity and enantioselectivity of Rifamycin SV towards low molecular weight compounds. 2009 , 63, 347-354	3
1144	The Ionic Palladium Porphyrin as a Highly Efficient and Recyclable Catalyst for Heck Reaction in Ionic Liquid Solution Under Aerobic Conditions. 2009 , 128, 487-492	26
1143	Geometries and stabilities of various configurations of benzene dimer: details of novel V-shaped structure revealed. 2009 , 20, 11-20	38
1142	Supramolecular Architecture in the 1:1 Co-Crystallization of 6,7-Dimethoxy-2-methyl-4-phenylisoquinolinium Cation with Perchlorate Anion. 2009 , 39, 279-284	1
1141	Weak interaction between CH ₃ SO and HOCl: Hydrogen bond, chlorine bond and oxygen bond. 2009 , 54, 3014-3022	4
1140	Theoretical ab initio study of the interplay between hydrogen bonding, cation-π and π-π interactions. 2009 , 122, 325-332	27
1139	Static and dynamic properties of anionic intermolecular aggregates: the Benzene-Argon case. 2009 , 123, 21-27	27

1138	Interaction between uracil nucleobase and phenylalanine amino acid: the role of sodium cation in stacking. 2009 , 124, 115-122	33
1137	Adsorption of H ₂ O, NH ₃ and C ₆ H ₆ on alkali metal cations in internal surface of mordenite and in external surface of smectite: a DFT study. 2009 , 36, 281-290	16
1136	Electrostatics-defying interaction between arginine termini as a thermodynamic driving force in protein-protein interaction. 2009 , 74, 155-63	52
1135	Very short peptides with stable folds: building on the interrelationship of Trp/Trp, Trp/cation, and Trp/backbone-amide interaction geometries. 2009 , 75, 308-22	58
1134	Hydrophobically modified poly (acrylic acid) using calix[4]arene derivative. Ionophoric properties and extraction abilities toward alkali metal cations. 2009 , 20, 1050-1059	4
1133	Dynamics simulation on the flexibility and backbone motions of HP1 chromodomain bound to free and lysine 9-methylated histone H3 tails. 2009 , 109, 1135-1147	2
1132	Effect of ring annelation on cations [M = H ⁺ , Li ⁺ , Na ⁺ , K ⁺ , Be ²⁺ , Mg ²⁺ , and Ca ²⁺]⋯benzene interaction: A density functional theory investigation. 2009 , 109, 972-981	8
1131	Trp fluorescence reveals an activation-dependent cation-π interaction in the Switch II region of Galphai proteins. 2009 , 18, 2326-35	14
1130	Inductive effects on cation-π interactions: Structures and bond dissociation energies of alkali metal cation-πalobenzene complexes. 2009 , 283, 35-47	22
1129	Study of the ferrocene-πthium cation interaction by DFT calculations: an in-depth analysis of the existence of a planetary system. 2009 , 65, 2368-2371	16
1128	Thermodynamic aspects of the host-guest chemistry of pyrogallol[4]arenes and peralkylated ammonium cations. 2009 , 65, 2711-2715	6
1127	Water-soluble calixarenes-πself-aggregation and complexation of noncharged aromatic guests in buffered aqueous solution. 2009 , 50, 93-96	36
1126	Pyrogallol[4]arenes as artificial receptors for l-carnitine. 2009 , 50, 1374-1376	22
1125	A comparative effect of ring annelation on cation-benzene and anion-benzene. 2009 , 900, 103-109	8
1124	A B3LYP and MP2 theoretical investigation on unusual cation-π interaction between the singlet state HBBH (1 ^π) and H ⁺ , Li ⁺ , Na ⁺ , Be ²⁺ or Mg ²⁺ . 2009 , 909, 79-85	11
1123	A MP2(full) and CCSD(T) theoretical investigation on unusual cation-π interaction between OCBCO and H ⁺ , Li ⁺ , Na ⁺ , Be ²⁺ or Mg ²⁺ . 2009 , 913, 221-227	14
1122	Interaction of the cesium cation with mono-, di-, and tricarboxylic acids in the gas phase. A Cs ⁺ affinity scale for cesium carboxylates ion pairs. 2009 , 20, 1912-24	12
1121	Model study on sorption of polycyclic aromatic hydrocarbons to goethite. 2009 , 330, 244-9	34

1120	Potassium and lithium pyrazolates: The interplay of electronic and steric factors on the hapticity of the pyrazolate ligand and the influence of Lewis bases on nuclearity. 2009 , 28, 205-208	7
1119	Kaiser oxime resin-derived palladacycle: A recoverable polymeric precatalyst in Suzuki-Miyaura reactions in aqueous media. 2009 , 694, 1658-1665	64
1118	FeCl ₃ catalyzed diarylmethanes formations. 2009 , 20, 511-513	5
1117	Metal complexes involving indole rings: Structures and effects of metal-indole interactions. 2009 , 253, 479-492	62
1116	Reaction mixtures based on the CTAB-Dodecyl Epoxide-water microemulsion for the synthesis of novel Nucleo-Lipids. 2009 , 70, 68-75	7
1115	Interplay between cation- π and hydrogen bonding interactions: Are non-additivity effects additive?. 2009 , 479, 316-320	40
1114	Metal complexes of amino acids and amino acid side chain groups. Structures and properties. 2009 , 7854-69	87
1113	Polarizable intermolecular potentials for water and benzene interacting with halide and metal ions. 2009 , 5, 3022-3031	31
1112	Insights into metal- π arene interactions of the highly Lewis acidic Rh ₂ (4+) core with a broad set of π -ligands: from ethylene to corannulene and C ₆₀ -fullerene. 2009 , 113, 5743-53	29
1111	Mass Spectrometry and Gas-Phase Ion Chemistry of Phenols. 2009 ,	
1110	Persistence of birefringence in sheared solutions of wormlike micelles. 2009 , 25, 167-72	33
1109	Explicit solvent effect on cation- π interactions: a first principle investigation. 2009 , 113, 7225-36	96
1108	Supported lipid bilayer templated J-aggregate growth: role of stabilizing cation- π interactions and headgroup packing. 2009 , 25, 10719-29	13
1107	Preference for Na ⁺ - π binding over Na ⁺ -dipole binding in Na ⁺ -arene interactions. 2009 , 113, 6192-6	14
1106	Structural and energetic preferences of π , σ , and bidentate cation binding (Li ⁺ , Na ⁺ , and Mg ²⁺) to aromatic amines (Ph-(CH ₂) _n -NH ₂ , n = 2-5): a theoretical study. 2009 , 113, 5446-54	15
1105	Cation- π control of regiochemistry of intramolecular Schmidt reactions en route to bridged bicyclic lactams. 2009 , 11, 4386-9	21
1104	A hydrosoluble triphenylene that preferentially binds acetylcholine, epibatidine, and nicotine. 2009 , 74, 5059-62	9
1103	Interaction of Benzene with Transition Metal Cations: Theoretical Study of Structures, Energies, and IR Spectra. 2009 , 5, 1709-17	56

1102	Determination of Free Energy Profiles for the Translocation of Polynucleotides through β -Hemolysin Nanopores using Non-Equilibrium Molecular Dynamics Simulations. 2009 , 5, 2135-48	31
1101	Chemical tools for K(+) channel biology. 2009 , 48, 517-26	17
1100	Highly enantioselective organocatalytic oxidative kinetic resolution of secondary alcohols using chirally modified AZADOs. 2009 , 11, 1829-31	69
1099	Nanoscale coatings on wood: polyelectrolyte adsorption and layer-by-layer assembled film formation. 2009 , 1, 559-66	44
1098	Cation- π interactions as a mechanism in technical lignin adsorption to cationic surfaces. 2009 , 10, 798-804	45
1097	Self-aggregation of a polyaniline octamer promoted by its C-terminal tyrosine and probed by a strongly enhanced vibrational circular dichroism signal. 2009 , 131, 18218-9	37
1096	Importance of charge independent effects in readout of the trimethyllysine mark by HP1 chromodomain. 2009 , 131, 14928-31	20
1095	Charge-Modulated Associates of Anionic Donors with Cationic π -Acceptors: Crystal Structures of Ternary Synthons Leading to Molecular Wires. 2009 , 9, 291-296	18
1094	Computational study of cesium cation interactions with neutral and anionic compounds related to soil organic matter. 2009 , 113, 10734-44	18
1093	Extension of the tryptophan χ^2_1 dihedral angle- ω_3 band frequency relationship to a full rotation: correlations and caveats. 2009 , 48, 2777-87	21
1092	Functional roles of a structural element involving Na ⁺ - π interactions in the catalytic site of T1 lipase revealed by molecular dynamics simulations. 2009 , 131, 16697-705	20
1091	Probing the strength changes in C-H and C-C bonds for cation/ π complexes. 2009 , 113, 7097-102	5
1090	Heavy alkali metal amides: role of secondary interactions in metal stabilization. 2009 , 48, 11459-65	37
1089	Rapid profiling of peptide stability in proteolytic environments. 2009 , 81, 1580-6	33
1088	Counterintuitive substituent effect of the ethynyl group in ion- π interactions. 2009 , 113, 10367-75	38
1087	Atom-bond pairwise additive representation for halide-benzene potential energy surfaces: an ab initio validation study. 2009 , 113, 14606-14	37
1086	Dendron-mediated self-assembly, disassembly, and self-organization of complex systems. <i>Chemical Reviews</i> , 2009 , 109, 6275-540	68.1 1052
1085	Aldolase is essential for energy production and bridging adhesin-actin cytoskeletal interactions during parasite invasion of host cells. 2009 , 5, 353-64	85

1084	NMR solution structure of human cannabinoid receptor-1 helix 7/8 peptide: candidate electrostatic interactions and microdomain formation. 2009 , 390, 441-6	18
1083	Structural analysis of metal sites in proteins: non-heme iron sites as a case study. 2009 , 388, 356-80	44
1082	Doubly Thermosensitive Self-Assembly of Diblock Copolymers in Ionic Liquids. 2009 , 42, 1315-1320	81
1081	Supramolecular lone pair-pi/pi-pi/pi-anion assembly in a Mg(II)-malonate-2-aminopyridine-nitrate ternary system. 2009 , 113, 1623-7	38
1080	C-lysine conjugates: pH-controlled light-activated reagents for efficient double-stranded DNA cleavage with implications for cancer therapy. 2009 , 131, 11458-70	54
1079	Energetic vs synergetic stability: a theoretical study. 2009 , 113, 3266-73	49
1078	Molecular-level interactions in soils and sediments: the role of aromatic pi-systems. 2009 , 43, 3421-9	388
1077	Nonamphiphilic assembly in water: polymorphic nature, thread structure, and thermodynamic incompatibility. 2009 , 131, 7430-43	49
1076	Through-Space Effects of Substituents Dominate Molecular Electrostatic Potentials of Substituted Arenes. 2009 , 5, 2301-2312	171
1075	Role of a conserved active site cation-pi interaction in Escherichia coli serine hydroxymethyltransferase. 2009 , 48, 12034-46	29
1074	Terphenyl crowns: a new family of receptors containing ethereal canopies that direct potassium cation onto benzenoid platforms for cation-pi interactions. 2009 , 5600-2	13
1073	Anion binding of short, flexible aryl triazole oligomers. 2009 , 74, 8924-34	114
1072	A highly selective luminescent sensor for the time-gated detection of potassium. 2009 , 131, 434-5	130
1071	Anion-pi interactions in four-membered rings. 2009 , 11, 1987-90	37
1070	Bis{(trifluoromethyl)sulfonyl}amide ionic liquids as solvents for the extraction of aromatic hydrocarbons from their mixtures with alkanes: effect of the nature of the cation. 2009 , 11, 365-372	94
1069	Adsorption of humic acid and Eu(III) to multi-walled carbon nanotubes: Effect of pH, ionic strength and counterion effect. 2009 , 97,	52
1068	Potential energy curves for cation-pi interactions: off-axis configurations are also attractive. 2009 , 113, 13628-32	119
1067	Unusually cyclized triterpenes: occurrence, biosynthesis and chemical synthesis. 2009 , 26, 115-34	34

1066	Synthetically useful Brønsted acid-promoted arylbenzyl ether → o-benzylphenol rearrangements. 2009 , 74, 5629-32	10
1065	Protein Engineering. 2009 ,	3
1064	Synthesis of Potassium/Magnesium Ate Complexes with a Bulky Diamido Ligand. 2009 , 28, 5281-5284	15
1063	Hydrofluoric acid etched stainless steel wire for solid-phase microextraction. 2009 , 81, 4971-7	140
1062	Role of the sulfonium center in determining the ligand specificity of human s-adenosylmethionine decarboxylase. 2009 , 48, 6423-30	10
1061	Substituent effects in cation/π interactions and electrostatic potentials above the centers of substituted benzenes are due primarily to through-space effects of the substituents. 2009 , 131, 3126-7	170
1060	Complexation of Cs ⁺ , K ⁺ and Na ⁺ by norbadione A triggered by the release of a strong hydrogen bond: nature and stability of the complexes. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 10299-310	3.6 13
1059	Unusual noncovalent interaction between the chelated Cu(II) ion and the π bond in the vitamin B(13) complex, cis-diammine(orotato)copper(II): theoretical and vibrational spectroscopy studies. 2009 , 113, 8158-69	26
1058	High level theoretical study of benzene-halide adducts: the importance of C-H-anion hydrogen bonding. 2009 , 113, 1578-85	37
1057	Design of highly stabilized beta-hairpin peptides through cation-π interactions of lysine and n-methyllysine with an aromatic pocket. 2009 , 48, 1525-31	51
1056	How stable are 1,2-dihydro-1,2-azaborines toward water and oxygen?. 2009 , 5, 1303-5	46
1055	Pd/X group interchange in the [Pd(Br)(PH ₃)(C ₆ H ₅)(C ₆ H ₅ X)] system □ Theoretical insights from the isolobal analogy perspective. 2009 , 87, 838-849	2
1054	Na ⁺ and Ca ²⁺ ion selective pyridylcarboxylate rings of Pd(II) and Pt(II). 2009 , 5637-46	19
1053	Ion-pair separation via selective inclusion/segregation processes. 2009 , 11, 1204	37
1052	Comparative analysis of M ^D , M ^B and cation(arene) interactions in the alkali metal (Na ⁺ , K ⁺ , Rb ⁺ , Cs ⁺) bis-dithiocarbamate salts of N,N'-dibenzyl-1,2-ethylenediamine. 2009 , 11, 2417	18
1051	Synthesis and structure of mono-bridged resorcinarene host: a ditopic receptor for ammonium guests. 2009 , 7, 4211-7	24
1050	Molecular encapsulation of a discrete (H ₂ O) ₃₂ cluster with S ₆ symmetry in an organic crystalline supermolecule. 2009 , 171-3	36
1049	A theoretical study on the metal cation-π complexes of Zn ²⁺ and Cd ²⁺ with benzene and cyclohexene. 2009 , 107, 1271-1282	17

1048	Cationic guest inclusion in widemouthed Schiff base macrocycles. 2009 , 5695-7	37
1047	Cation- π controlled solid-state photodimerization of 4-azachalcones. 2009 , 131, 2098-9	77
1046	Theoretical investigation of thermal decomposition of peroxidized coelenterazines with and without external perturbations. 2009 , 113, 15171-87	9
1045	Cation- π -anion interaction in alkali ion-benzene-halogen ion clusters. 2009 , 113, 14741-8	31
1044	Biomimetic and self-assembled calix[6]arene-based receptors for neutral molecules. 2009 , 7, 2485-500	112
1043	Mechanisms for strong adsorption of tetracycline to carbon nanotubes: a comparative study using activated carbon and graphite as adsorbents. 2009 , 43, 2322-7	570
1042	Interaction between the π -system of toluene and the imidazolium ring of ionic liquids: a combined NMR and molecular simulation study. 2009 , 113, 170-7	87
1041	Comprehensive Energy Analysis for Various Types of π -Interaction. 2009 , 5, 515-29	235
1040	Monotopic and heteroditopic calix[4]arene receptors as hosts for pyridinium and viologen ion pairs: a solution and solid-state study. 2009 , 7, 3698-708	54
1039	Transport of chloride ion through phospholipid bilayers mediated by synthetic ionophores. 2009 , 33, 947	89
1038	Free-energy relationships for the interactions of tryptophan with phosphocholines. 2009 , 7, 5119-28	23
1037	Hydration Dynamics and Coupled Water-Protein Fluctuations Probed by Intrinsic Tryptophan. 2009 , 83-149	21
1036	Synthesis and Crystal Structures of Fluorinated β -Diketonate Metal (Al^{3+} , Co^{2+} , Ni^{2+} , and Cu^{2+}) Complexes. 2009 , 82, 96-98	16
1035	X/π -Interactions in Aromatic Heterocycles: Basic Principles and Recent Advances. 2009 , 103-118	14
1034	Imidazolium Cations in Organic Chemistry: From Chemzymes to Supramolecular Building Blocs. 2010 , 14, 1500-1516	26
1033	Self-assembling and coordination of water nano-layers on polymeric coated long period gratings as promising tool for cation detection. 2010 ,	1
1032	Cyclopeptide Derived Synthetic Receptors. 2010 , 135-167	2
1031	Investigation of cation- π -Interactions in sugar-binding proteins. 2010 , 247, 13-24	11

1030	Principles of Biomolecular Recognition. 2010 , 3-45	10
1029	Recent advances in the transmembrane transport of anions. 2010 , 39, 3843-62	280
1028	Electrophilic aromatic substitution: the role of electronically excited states. 2010 , 114, 4924-33	22
1027	Recent trends and some applications of isothermal titration calorimetry in biotechnology. 2010 , 5, 85-98	68
1026	Core-substituted naphthalenediimides. 2010 , 46, 4225-37	443
1025	Cucurbit[7]uril host-guest complexes of cholines and phosphonium cholines in aqueous solution. 2010 , 8, 253-60	57
1024	Cobalt-Catalyzed Cross-Coupling Reactions of Aryl Halides. 2010 , 50, 568-576	59
1023	A canonical cation- π interaction stabilizes the agonist conformation of estrogen-like nuclear receptors. 2010 , 39, 1471-5	4
1022	ESI-MS detection of very weak pi-stacking interactions in the mixed-ligand sandwich complexes formed by substituted benzo-crown ethers and metal cations. 2010 , 21, 545-9	15
1021	Bridged aromatic alkenes for the study of carbocation- π interaction. 2010 , 66, 4441-4451	7
1020	Ethylene adsorption on cationic surfactant modified zeolite NaY. 2010 , 131, 97-102	44
1019	Influence of aminopyrimidyl derivatives on the supramolecular architectures and abundant nonvalent interactions of silver 5-nitroisophthalate coordination polymers. 2010 , 967, 147-152	19
1018	The effect of ring annelation to benzene on cation- π interactions: DFT study. 2010 , 976, 320-323	16
1017	Experimental and DFT study on the complexation of . 2010 , 977, 254-257	2
1016	Evidence that His349 acts as a pH-inducible switch to accelerate receptor-mediated iron release from the C-lobe of human transferrin. 2010 , 15, 1341-52	24
1015	Computational and QSAR study of the alkyl naphthyl ketones adsorption on silver-ion stationary phase. 2010 , 16, 513-22	4
1014	A UB3LYP and UMP2 theoretical investigation on unusual cation- π interaction between the triplet state HB=BH (3 Sigma g-) and H+, Li +, Na +, Be 2+ or Mg 2+. 2010 , 16, 615-27	12
1013	A combined extraction and DFT study on the complexation of H3O+ with a hexaarylbenzene-based receptor. 2010 , 141, 737-741	18

1012	Theoretical study on the complexation of the sodium cation with a hexaarylbenzene-based receptor. 2010 , 141, 1309-1311		
1011	Extraction and DFT study on the complexation of the cesium cation with a hexaarylbenzene-based receptor. 2010 , 286, 55-59		9
1010	Synthesis of a Tweezer-like Bis(phenylthiopropoxy)calix[4]-arene as a Cation-Enhanced Sensor for Ion-Selective Electrodes. 2010 , 20, 1109-1114		2
1009	Influences of hard donor on cation selectivities closing to soft selenium donor in tweezer-like calix[4]arene receptors. 2010 , 22, 804-810		4
1008	Molecular design of a "molecular syringe" mimic for metal cations using a 1,3-alternate calix[4]arene cavity. 2010 , 31, 2143-56		23
1007	The Role of C π ...H δ Interactions in Establishing Rotamer Configurations in Metallabis(dicarbollide) Systems. 2010 , 2010, 2385-2392		48
1006	Kinetic Resolution of Racemic Secondary Alcohols Mediated by N-Methylimidazole in the Presence of Optically Active Acyl Chlorides. 2010 , 2010, 2696-2700		13
1005	Stereoselective Synthesis of Benzylated Prodelphinidins and Their Diastereomers with Use of the Mitsunobu Reaction in the Preparation of Their Galocatechin Precursors. 2010 , 2010, 2544-2554		20
1004	A Combined Experimental and Theoretical Study of Anion- π Interactions in N6- and N9-Decyladenine Salts. 2010 , 2010, 5171-5180		19
1003	Hydrothermal route for cutting graphene sheets into blue-luminescent graphene quantum dots. <i>Advanced Materials</i> , 2010 , 22, 734-8	24	2199
1002	Extremely Efficient Cross-Coupling of Benzylic Halides with Aryltitanium Tris(isopropoxide) Catalyzed by Low Loadings of a Simple Palladium(II) Acetate/Tris(p-tolyl)phosphine System. 2010 , 352, 1718-1727		31
1001	Organic Cations in Constrained Systems. 2010 , 327-360		0
1000	References. 2010 , 587-673		
999	Supramolecular chirality in solvent-promoted aggregation of amphiphilic porphyrin derivatives: kinetic studies and comparison between solution behavior and solid-state morphology by AFM topography. 2010 , 16, 860-70		31
998	CH-directed anion- π interactions in the crystals of pentafluorobenzyl-substituted ammonium and pyridinium salts. 2010 , 16, 5062-9		67
997	Expanded pyridiniums: bis-cyclization of branched pyridiniums into their fused polycyclic and positively charged derivatives--assessing the impact of percondensation on structural, electrochemical, electronic, and photophysical features. 2010 , 16, 11047-63		40
996	Active transport of amino acids by a guanidiniocarbonyl-pyrrole receptor. 2010 , 16, 9502-10		17
995	Ion-pair complexation with a cavitand receptor. 2010 , 16, 7813-9		28

- 994 Anion- π interactions in salts with polyhalide anions: trapping of I₄(²⁻). **2010**, 16, 12446-53 71
- 993 Goldnanopartikel-Fluorophor-Komplexe: empfindliche, selektive Nasen für die Biosensorik. **2010**, 122, 3338-3350 22
- 992 Gold nanoparticle-fluorophore complexes: sensitive and discerning "noses" for biosystems sensing. **2010**, 49, 3268-79 307
- 991 Tryptophan residues: scarce in proteins but strong stabilizers of hairpin peptides. **2010**, 94, 779-90 62
- 990 Modification of poly acrylic acid using calix[4]arene derivative for the adsorption of toxic heavy metals. **2010**, 118, n/a-n/a 2
- 989 Furanose C-C-linked lactones: a combined ESI FTICR MS and semi-empirical calculations study. **2010**, 45, 1167-78 3
- 988 Binding of CDR-derived peptides is mechanistically different from that of high-affinity parental antibodies. **2010**, 23, 559-68 7
- 987 In situ synthesis of Ag nanoparticles in aminocalix[4]arene multilayers. **2010**, 341, 320-5 18
- 986 Assessing the strengths and weaknesses of various types of pre-treatments of carbon nanotubes on the properties of polymer/carbon nanotubes composites: A critical review. **2010**, 51, 975-993 288
- 985 Copper(II) complexes based on a new chelating 4-(3,5-diphenyl-1H-pyrazol-1-yl)-6-(piperidin-1-yl)pyrimidine ligand: Synthesis and crystal structures. Lone pair- π and π - π (A = N, Cl) non-covalent interactions. **2010**, 363, 1547-1555 20
- 984 Sorption of steroidal hormones by electro dialysis membranes. **2010**, 365, 198-205 17
- 983 Experimental observation of supramolecular carbonyl π -carbonyl assemblies of CuII complex of iminodiacetate and dipyridylamine. **2010**, 973, 81-88 21
- 982 Role of weak interactions in binding of aryldicarboxylate ion: Synthesis, spectroscopic characterization, single-crystal X-ray structure determination and packing analysis of [Co(phen)2CO₃]₂(C₈H₄O₄) \cdot 5H₂O. **2010**, 980, 72-77 8
- 981 [2+2] Photodimerization of (Z)-4-styrylpyridine through a cation- π interaction: formation of cis π - π dimers. **2010**, 51, 2533-2535 18
- 980 A (U)MP2(full) and (U)CCSD(T) theoretical investigation on the substituent effect on the cation- π interactions between Na⁺ and LCCL (L = H, CH₃, OH, F, Cl, CO, NN, CN, NCl and OH). **2010**, 956, 1-9 8
- 979 BACE-1 hydroxyethylamine inhibitors using novel edge-to-face interaction with Arg-296. **2010**, 20, 4639-44 11
- 978 The cooperativity of cation- π and π - π interactions. **2010**, 485, 235-242 115
- 977 Erroneous behaviour of the widely used MP2(full)/aug-cc-pVXZ (X=D,T) level of theory for evaluating the BSSE in ion- π complexes. **2010**, 489, 254-258 17

976	The role of cation- π interactions in ethylenic complexes: A theoretical NMR study. 2010 , 493, 27-32	7
975	Synthesis, crystal structure and properties of Zn(II) and Cd(II) complexes with 2-(4-isopropyl-4-methyl-5-oxo-4,5-dihydro-1H-imidazol-2-yl)nicotinic acid ligand. 2010 , 13, 33-36	6
974	Synthesis, structures and properties of Cu and Cd complexes with 1,10-phenanthroline. 2010 , 13, 645-648	16
973	Synthesis, structure and properties of a new copper (II) complex, [Cu ₂ (4,4'-bpy) ₅ (H ₂ O) ₄](ClO ₄) ₄ (4,4'-bpy)(DMF) ₂ (H ₂ O) ₂ . 2010 , 13, 720-723	4
972	Multi-signaling detection of Hg ²⁺ and Cu ²⁺ by a ferrocene- π pyrazole dyad associated with molecular-scale arithmetic. 2010 , 13, 1109-1113	20
971	Synthesis, structure, and luminescence of a novel lead(II) coordination polymer with 1,2-phenylenediacetic acid. 2010 , 13, 1383-1386	11
970	Complexes of <i>Thermotoga maritima</i> S-adenosylmethionine decarboxylase provide insights into substrate specificity. 2010 , 66, 181-9	4
969	Protein homomers in point-group assembly: symmetry making and breaking are specific and distinctive in their codes of chemical alphabet in side chains. 2010 , 78, 3048-55	5
968	Molecular determinants of coupling between the domain III voltage sensor and pore of a sodium channel. 2010 , 17, 230-7	44
967	Nature of cation- π interactions and their role in structural stability of immunoglobulin proteins. 2010 , 75, 912-8	12
966	Experimental evidence for the functional relevance of anion- π interactions. 2010 , 2, 533-8	399
965	. 2010 ,	12
964	Topology of the C-terminal tail of HIV-1 gp41: differential exposure of the Kennedy epitope on cell and viral membranes. 2010 , 5, e15261	29
963	NMR solution structure and biophysical characterization of <i>Vibrio harveyi</i> acyl carrier protein A75H: effects of divalent metal ions. 2010 , 285, 30558-66	13
962	Homology modeling of anti-parathion antibody and its interaction with organophosphorous pesticides and analogues. 2010 , 45, 819-27	5
961	Effect of Coexisting Lead and Phenanthrene on Their Individual Sorption on a Clayish Soil. 2010 , 19, 322-337	12
960	Synthesis of novel functional liquid and its application as a modifier in SBR/silica composites. 2010 , 4, 692-703	45
959	Alkali metal and ammonium cation- π interactions with tetraphenylborate anion. 2010 , 22, 73-80	10

958	Bacterial Squalene Cyclase. 2010 , 709-732	2
957	Synthesis of medium-bridged twisted lactams via cation- π control of the regiochemistry of the intramolecular Schmidt reaction. 2010 , 75, 1235-43	22
956	Experimental and theoretical study of uracil derivatives: the crucial role of weak fluorine-fluorine noncovalent interactions. 2010 , 12, 3758	56
955	Palladium-catalyzed direct benzylation of azoles with benzyl carbonates. 2010 , 12, 1360-3	120
954	Molecular recognition of organic ammonium ions in solution using synthetic receptors. 2010 , 6, 32	179
953	Secondary hydrogen isotope effects on the structure and stability of cation- π complexes (cation = Li(+), Na(+), K(+)) and π = acetylene, ethylene, benzene). 2010 , 114, 9231-6	17
952	Ab initio study of microsolvated Al ³⁺ -aromatic amino acid complexes. 2010 , 114, 9017-22	13
951	A generalized formulation of ion- π interactions: role of the nonelectrostatic component and probe of the potential parameter transferability. 2010 , 114, 11964-70	35
950	Measurements of weak halogen bond donor abilities with tridentate anion receptors. 2010 , 46, 9025-7	101
949	Direct Pd-catalyzed benzylation of highly electron-deficient perfluoroarenes. 2010 , 46, 4926-8	57
948	Thiacalix[4]arene-cubidium assembly: supramolecular architecture based on alkali metal coordination and cation- π interactions. 2010 , 12, 1311-1315	16
947	Experimental and computational study of the interplay between C-H/ π and anion- π interactions. 2010 , 39, 794-806	55
946	Proficiency of the electron-deficient 1,3,5-triazine ring to generate anion- π and lone pair- π interactions. 2010 , 12, 3057	31
945	First-principles study of the stability of calcium-decorated carbon nanostructures. 2010 , 82,	44
944	Role of aromatic rings in the molecular recognition of aminoglycoside antibiotics: implications for drug design. 2010 , 132, 12074-90	49
943	Analysis of the interactions taking place in the recognition site of a bimetallic Mg(II)-Zn(II) enzyme, isopentenyl diphosphate isomerase. a parallel quantum-chemical and polarizable molecular mechanics study. 2010 , 114, 4884-95	18
942	Structure elucidation of dimethylformamide-solvated alkylzinc cations in the gas phase. 2010 , 75, 1203-13	25
941	External and internal guest binding of a highly charged supramolecular host in water: deconvoluting the very different thermodynamics. 2010 , 132, 1005-9	75

940	Structural basis for regioisomerization in the alkali-metal-mediated zincation (AMMZn) of trifluoromethyl benzene by isolation of kinetic and thermodynamic intermediates. 2010 , 132, 9480-7	45
939	Differentially Substituted Acyclic Diaminocarbene Ligands Display Conformation-Dependent Donicities. 2010 , 29, 3047-3053	46
938	Interactions of tyrosine in Leu-enkephalin at a membrane-water interface: an ultrafast two-dimensional infrared study combined with density functional calculations and molecular dynamics simulations. 2010 , 114, 1180-90	10
937	Penttiptycene building blocks derived from nucleophilic aromatic substitution of penttiptycene triflates and halides. 2010 , 75, 4640-3	13
936	The ground-state Na ⁺ affinities of a series of substituted acetophenones: a DFT study. 2010 , 36, 448-453	
935	Structure of epi-isozizaene synthase from <i>Streptomyces coelicolor</i> A3(2), a platform for new terpenoid cyclization templates. 2010 , 49, 1787-97	114
934	Self-assembly of C ₃ -symmetrical hexaaryltriindoles driven by solvophobic and CH- π interactions. 2010 , 75, 1070-6	34
933	Different interaction between the agonist JN403 and the competitive antagonist methyllycaconitine with the human α 7 nicotinic acetylcholine receptor. 2010 , 49, 4169-80	21
932	Palladium nanoparticle catalyzed Hiyama coupling reaction of benzyl halides. 2010 , 75, 4296-9	81
931	Substituent effects in ion- π interactions: fine-tuning via the ethynyl group. 2010 , 114, 1926-30	22
930	Binding of fluorinated phenylalanine α -factor analogues to Ste2p: evidence for a cation- π binding interaction between a peptide ligand and its cognate G protein-coupled receptor. 2010 , 49, 5007-15	25
929	Protein and small molecule recognition properties of deep cavitands in a supported lipid membrane determined by calcination-enhanced SPR spectroscopy. 2010 , 132, 10383-90	46
928	Crystallographic analysis of counterion effects on subtilisin enzymatic action in acetonitrile. 2010 , 132, 2293-300	9
927	Structure and infrared spectrum of the Ag(+)-phenol ionic complex. 2010 , 114, 11053-9	55
926	Total synthesis of (H) maoecystal V. 2010 , 132, 16745-6	150
925	Analysis by phage display selection and site-directed retromutagenesis of the Mustard Trypsin Inhibitor 2 reactive site. 2010 , 167, 1507-11	3
924	Galectin-1 as a fusion partner for the production of soluble and folded human beta-1,4-galactosyltransferase-T7 in <i>E. coli</i> . 2010 , 394, 679-84	15
923	Pro isomerization in MLL1 PHD3-bromo cassette connects H3K4me readout to CyP33 and HDAC-mediated repression. 2010 , 141, 1183-94	145

922	Hydrogelation and self-assembly of Fmoc-tripeptides: unexpected influence of sequence on self-assembled fibril structure, and hydrogel modulus and anisotropy. 2010 , 26, 4990-8	113
921	The carbocation continuum in terpene biosynthesis--where are the secondary cations?. 2010 , 39, 2847-54	121
920	Metal-salophen-based receptors for anions. 2010 , 39, 3863-74	120
919	Complex interactions of pillar[5]arene with paraquats and bis(pyridinium) derivatives. 2010 , 8, 1568-76	241
918	Superelectrophiles and the effects of trifluoromethyl substituents. 2010 , 132, 3266-7	49
917	Attractive noncovalent interactions in asymmetric catalysis: links between enzymes and small molecule catalysts. 2010 , 107, 20678-85	561
916	Affinity capillary electrophoretic study of K ⁺ /Na ⁺ selectivity of hexaarylbenzene-based polyaromatic receptor. 2010 , 2, 14-19	5
915	Adsorption of pharmaceutical antibiotics on template-synthesized ordered micro- and mesoporous carbons. 2010 , 44, 3116-22	245
914	Alkali Metal-Stabilized 1,3,5-Triphenylbenzene Monoanions: Synthesis and Characterization of the Lithium, Sodium, and Potassium Complexes□ 2010 , 29, 6790-6800	15
913	A small molecule receptor that selectively recognizes trimethyl lysine in a histone peptide with native protein-like affinity. 2010 , 46, 1839-41	74
912	Structure and Function. 2010 ,	4
911	Friedel-Crafts arylation reactions of N-sulfonyl aldimines or sulfonamidesulfones with electron-rich arenes catalyzed by FeCl ₃ x 6 H ₂ O: synthesis of triarylmethanes and bis-heteroarylmethanes. 2010 , 75, 5240-9	83
910	Isopolyoxometalates of Antimony: Arylstibonic Acids [H ₈ (RSb) ₁₂ O ₂₈] and Derived Dodecanuclear Polyoxostibonates [M ₂ H ₁₀ □(RSb) ₁₂ O ₃₀]x□M = Na or K. 2010 , 29, 6518-6526	21
909	Intramolecular cation-π interactions as the driving force to restrict the conformation of certain nucleosides. 2010 , 75, 1974-81	5
908	Hysteretic spin and charge delocalization in a phenalenyl-based molecular conductor. 2010 , 132, 17258-64	55
907	Are anion/π interactions actually a case of simple charge-dipole interactions?. 2010 , 114, 8658-64	120
906	Supramolecular assembly of Mg(II) complexes directed by associative lone pair-π/π-π/π-anion-π/π-lone pair interactions. 2010 , 114, 4998-5009	73
905	Enantioselective thiourea-catalyzed cationic polycyclizations. 2010 , 132, 5030-2	271

904	Optical Recognition of n-Butylammonium and 1,5-Pentanediammonium Picrates by a Calix[5]arene Monolayer Covalently Assembled on Silica Substrates. 2010 , 22, 2829-2834		32
903	Lower Critical Solution Temperature (LCST) Phase Behavior of Poly(ethylene oxide) in Ionic Liquids. 2010 , 1, 1962-1966		108
902	Complementary amphiphilic ribonucleotides confined into nanostructured environments. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 7977-87	3.6	6
901	Weak forces at work in dye-loaded zeolite materials: spectroscopic investigation on cation-sulfur interactions. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 2599-605	3.6	6
900	A thioether-rich crown-based highly selective fluorescent sensor for Hg(2+) and Ag(+) in aqueous solution. 2010 , 39, 1316-20		79
899	Self-assembly of [2]pseudorotaxanes based on pillar[5]arene and bis(imidazolium) cations. 2010 , 46, 9016-8		260
898	Structural, energetic and dynamical properties of sodiated oligoglycines: relevance of a polarizable force field. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 3450-62	3.6	12
897	Guest-induced capsule formation based on concerted interactions in water at neutral pH. 2010 , 46, 7139-41		19
896	Diols and anions can control the formation of an exciplex between a pyridinium boronic acid with an aryl group connected via a propylene linker. 2010 , 46, 8180-2		38
895	The effect of substituent rotation on aromatic quadrupole moments. 2010 , 88, 5-13		1
894	Self-consistent field theory of polymer-ionic molecule complexation. 2010 , 132, 194103		7
893	Cationized phenylalanine conformations characterized by IRMPD and computation for singly and doubly charged ions. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 13383-93	3.6	45
892	Macroscopic evidence of strong cation- π interactions in a synthetic polymer system. 2010 , 46, 1341-3		23
891	Infrared spectra of protonated neurotransmitters: dopamine. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2815-23	3.6	72
890	Protonation and coordination ability of small peptides I theoretical and experimental approaches for elucidation. 2011 , 64, 2419-2442		13
889	Impact of ion class and time on oral drug molecular properties. 2011 , 2, 91-105		72
888	Water-assisted assembly of (E)-arylvinylpyridine hydrochlorides: effective substrates for solid-state [2+2] photodimerization. 2011 , 47, 9143-5		35
887	Preparation, reactivity and controlled release of SAMs of calix[4,6]arenes and calix[6]arene-based rotaxanes and pseudorotaxanes formed on polycrystalline Cu. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4452-62	3.6	12

- 886 Structural, Electronic, and Magnetic Properties of Neutral and Charged Transition MetalBis(dicarbollide) Sandwich Clusters. **2011**, 115, 14542-14547 10
- 885 Effect of solvation on ion binding to imidazole and methylimidazole. **2011**, 115, 1971-84 29
- 884 "On water" sp³-sp² cross-couplings between benzylic and alkenyl halides. **2011**, 47, 5717-9 52
- 883 Near-infrared chromogenic sensing of organotin species by a cyclopalladated azo dye. **2011**, 136, 282-4 6
- 882 A Kirkwood-Buff force field for the aromatic amino acids. *Physical Chemistry Chemical Physics*, **2011**, 13, 18154-67 3.6 33
- 881 Structural transformation of pyridinium iodide proceeding in the solid state. **2011**, 13, 4635 3
- 880 Simultaneous interactions of anions and cations with cyclohexane and adamantane: aliphatic cyclic hydrocarbons as charge insulators. **2011**, 115, 13124-32 18
- 879 Two-Component Supramolecular Organic Hosts as Colorimetric Indicators for Aromatic Guests: Visual Molecular Recognition via Cation- π Interactions. **2011**, 11, 4120-4128 22
- 878 Ar solvation shells in K(+)-HFBz: from cluster rearrangement to solvation dynamics. **2011**, 115, 10871-9 25
- 877 Reactivity Studies of (tBu₃SiNH)(tBu₃SiN?)₂WH Including Anionic Derivatives Featuring the Tris-tri-tert-butylsilylimide Tungsten Core. **2011**, 30, 6539-6561 17
- 876 The need for enzymatic steering in abietic acid biosynthesis: gas-phase chemical dynamics simulations of carbocation rearrangements on a bifurcating potential energy surface. **2011**, 133, 8335-43 64
- 875 Face-to-face arene-arene binding energies: dominated by dispersion but predicted by electrostatic and dispersion/polarizability substituent constants. **2011**, 133, 3854-62 127
- 874 Selective inactivation of a human neuronal silencing phosphatase by a small molecule inhibitor. **2011**, 6, 511-9 32
- 873 Infrared predissociation spectroscopy of M⁺ (C₆H₆)(1-4)(H₂O)(1-2)Ar(0-1) cluster ions, M = Li, Na. **2011**, 115, 4148-56 9
- 872 Temperature-Driven Assembly of Ln(III) (Ln = Nd, Eu, Yb) Coordination Polymers of a Flexible Azo Calix[4]arene Polycarboxylate Ligand. **2011**, 11, 3479-3488 60
- 871 DFT study of the interaction between alkaline cations and molecular bowls derived from fullerene. **2011**, 115, 2774-82 44
- 870 Features of Ar solvation shells in neutral and ionic clustering: the competitive role of two-body and many-body interactions. **2011**, 115, 6394-404 10
- 869 A nano-confined charged layer defies the principle of electrostatic interaction. **2011**, 47, 6912-4 17

- 868 Transition-state charge stabilization through multiple non-covalent interactions in the guanidinium-catalyzed enantioselective Claisen rearrangement. **2011**, 133, 5062-75 142
- 867 The Accuracy of Density Functional Theory in the Description of Cation- π and π -Hydrogen Bond Interactions. **2011**, 7, 2059-67 35
- 866 Helical chiral 2,2'-bipyridine N-monoxides as catalysts in the enantioselective propargylation of aldehydes with allenyltrichlorosilane. **2011**, 13, 1654-7 126
- 865 Encapsulation of metal cations by the PhePhe ligand: a cation- π cage. **2011**, 133, 9376-86 59
- 864 Probing eudesmane cation- π interactions in catalysis by aristolochene synthase with non-canonical amino acids. **2011**, 133, 13906-9 62
- 863 Lanthanide(III)-Alkali Sandwich Complexes with Cation-Arene π Interactions: Synthesis, Structure, and Solvent-Mediated Redox Transformations. **2011**, 30, 2252-2260 31
- 862 Self-assembly of short collagen-related peptides into fibrils via cation- π interactions. **2011**, 50, 2381-3 39
- 861 Structural Instability of the Active Site of T1 Lipase Induced by Replacement of Na(+) with Water Complexed with the Phenylalanine Aromatic Ring. **2011**, 7, 2593-9 3
- 860 Geometric effects in olefinic cation- π interactions with alkali metals: a computational study. **2011**, 76, 42-9 27
- 859 Poly(ethylene oxide)-b-poly(L-lactide) diblock copolymer/carbon nanotube-based nanocomposites: LiCl as supramolecular structure-directing agent. **2011**, 12, 4086-94 28
- 858 Supramolecular Self-Assembly of M-IDA Complexes Involving Lone-Pair- π Interactions: Crystal Structures, Hirshfeld Surface Analysis, and DFT Calculations [H2IDA = iminodiacetic acid, M = Cu(II), Ni(II)]. **2011**, 11, 3250-3265 257
- 857 Molecular basis for class Ib anti-arrhythmic inhibition of cardiac sodium channels. **2011**, 2, 351 67
- 856 Uranyl-Organic Assemblies with Acetate-Bearing Phenyl- and Cyclohexyl-Based Ligands. **2011**, 11, 347-355 43
- 855 Molecular Design of Hypercoordinated Silacyclophanes. **2011**, 30, 5595-5603 8
- 854 Effect of microhydration on the guanidinium- π benzene interaction. **2011**, 135, 214301 17
- 853 Insight into supramolecular self-assembly directed by weak interactions in acetophenone derivatives: crystal structures and Hirshfeld surface analyses. **2011**, 13, 6728 139
- 852 Prediction and characterization of HCCH- π AuX (X = OH, F, Cl, Br, CH₃, CCH, CN, and NC) complexes: a π -Au-bond. **2011**, 135, 074304 19
- 851 Solid-state Nuclear Magnetic Resonance of Polymorphic Materials. **2011**,

850	Inorganic anion induced supramolecular architectures and luminescent properties of flexible bis(pyridyl) based ionic salts. 2011 , 13, 6632		26
849	Ion and molecular recognition by lower rim 1,3-di-conjugates of calix[4]arene as receptors. <i>Chemical Reviews</i> , 2011 , 111, 4658-702	68.1	275
848	Poly(n-butyl methacrylate) in ionic liquids with tunable lower critical solution temperatures (LCST). 2011 , 115, 1971-7		65
847	Substituent effects in halogen bonding complexes between aromatic donors and acceptors: a comprehensive ab initio study. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 20371-9	3.6	82
846	s-Block organometallics: analysis of ion-association and noncovalent interactions on structure and function in benzyl-based compounds. 2011 , 50, 12223-40		46
845	In vitro detection of superoxide anions released from cancer cells based on potassium-doped carbon nanotubes-ionic liquid composite gels. 2011 , 3, 5026-33		22
844	Weak interactions modulating the dimensionality in supramolecular architectures in three new nickel(II)-hydrazone complexes, magnetostructural correlation, and catalytic potential for epoxidation of alkenes under phase transfer conditions. 2011 , 50, 8326-39		53
843	Energy decomposition analysis based on a block-localized wavefunction and multistate density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 6760-75	3.6	171
842	Controlling Photoreactions Through Noncovalent Interactions Within Zeolite Nanocages. 2011 , 389-442		2
841	Novel triptycene-derived hosts: synthesis and their applications in supramolecular chemistry. 2011 , 47, 1674-88		222
840	N π - π and O π - π interactions rather than π - π hydrogen bonding in the crystal packing of ethyl (Z)-2-cyano-3-[(4-alkoxyphenyl)amino]prop-2-enoates. 2011 , 13, 4496		11
839	Nitrogen cation- π interactions in asymmetric organocatalytic synthesis. 2011 , 9, 7275-81		65
838	Recent advances in anion- π interactions. 2011 , 13, 3293		138
837	Nature of anion-templated π - π interactions. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 11841-5	3.6	17
836	On the directionality of anion- π interactions. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 5696-702	3.6	72
835	Synthetic Amphiphilic Peptides that Self-Assemble to Membrane-Active Anion Transporters. 2011 , 465-519		
834	Anion- π interactions in Molecular Recognition. 2011 , 321-361		1
833	Radical cation (C π^+ - π) and radical anion (A π^- - π) interactions with aromatic rings: energetic, orbitalic and spin density considerations. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 16698-705	3.6	8

832	Understanding the molecular interactions of lipopolysaccharides during E. coli initial adhesion with a surface forces apparatus. 2011 , 7, 9366	53
831	A heterometallic sandwich complex of europium(II) for luminescent studies. 2011 , 40, 6361-3	16
830	Medium-bridged lactams: a new class of non-planar amides. 2011 , 9, 27-35	65
829	Direct measurements of electric fields in weak OH...hydrogen bonds. 2011 , 133, 17414-9	84
828	Enhanced catalytic activity on titanosilicate molecular sieves controlled by cation-π interactions. 2011 , 133, 12462-5	84
827	On the Possibility of Tuning Molecular Edges To Direct Supramolecular Self-Assembly in Coumarin Derivatives through Cooperative Weak Forces: Crystallographic and Hirshfeld Surface Analyses. 2011 , 11, 4837-4849	165
826	Contributions of cation-π interactions to the collagen triple helix stability. 2011 , 508, 46-53	19
825	Structures of protonated benzene dimer and intermolecular interaction decomposition via symmetry-adapted perturbation theory. 2011 , 973, 47-52	12
824	A (U)MP2(full) and (U)CCSD(T) theoretical investigation into the substituent effects on the cation-π interactions between M ⁺ (M=Li or Na) and LBBL (L=H, CH ₃ , OH, CN, NC, F, :CO, :NN, :BH, :CN, :NCO and :OH) 2011 , 978, 110-122	1
823	Interaction of epicatechin gallate with phospholipid membranes as revealed by solid-state NMR spectroscopy. 2011 , 1808, 1654-60	42
822	Serine hydroxymethyltransferase: a model enzyme for mechanistic, structural, and evolutionary studies. 2011 , 1814, 1489-96	48
821	Anion receptors composed of hydrogen- and halogen-bond donor groups: modulating selectivity with combinations of distinct noncovalent interactions. 2011 , 133, 10559-67	267
820	Quantitative assessment of substituent effects on cation-π interactions using molecular electrostatic potential topography. 2011 , 115, 9300-7	35
819	Aromatic interactions at atom-to-atom contact and just beyond: a case study of protein interactions of NAD ⁺ /NADP ⁺ . 2011 , 49, 999-1006	3
818	The recognition specificity of the CHD1 chromodomain with modified histone H3 peptides. 2011 , 406, 527-41	9
817	Synthesis, Al ³⁺ /Mg ²⁺ Intercalation and Structure Study of Graphite-like Carbon Nitride. 2011 , 27, 245-251	12
816	Thermodynamics of stacking interactions in proteins. 2011 , 107, 242	7
815	Computational Approaches Towards Modeling Finite Molecular Assemblies: Role of Cation-π and Hydrogen Bonding Interactions. 2011 , 517-555	2

814	Substituent effects in cation- π interactions: a unified view from inductive, resonance, and through-space effects. 2011 , 115, 5660-4	26
813	Structure and antimicrobial properties of multivalent short peptides. 2011 , 2, 308	31
812	A pyridinium cation- π interaction sensor for the fluorescent detection of alkyl halides. 2011 , 47, 253-5	52
811	Local nature of substituent effects in stacking interactions. 2011 , 133, 10262-74	356
810	Reinforced Rubber with Ionic Liquid Modified Carbon Black. 2011 , 19, 593-602	2
809	Physicochemical Properties of Ionic Liquids Containing N-alkylamine-Silver(I) Complex Cations or Protic N-alkylaminium Cations. 2011 ,	
808	Virtual high throughput screening in new lead identification. 2011 , 14, 840-60	47
807	Application of Electron Delocalization Indicators in the Study of Electrophilic Aromatic Substitution Reactions. 2011 , 15, 3627-3651	3
806	Role of π -Electron Systems in Stabilization of the Oxidized Tetraheme Architecture in Cytochrome c3. 2011 , 84, 1096-1101	4
805	Crystal Structures of Resorcin[4]arene and Tetramethylated Resorcin[4]arene Complexes Incorporating L-Carnitine through Cation- π Interaction. 2011 , 84, 1133-1135	9
804	UV Raman markers for structural analysis of aromatic side chains in proteins. 2011 , 27, 1077-86	37
803	References To Part Three. 2011 , 623-636	
802	Coexistent Ag \cdots Ag and Ag \cdots C interactions in three photoluminescent silver(I) coordination networks based on o-, m-, p-methylbenzoic acid. 2011 , 1006, 475-482	4
801	On the binding of Mg ²⁺ , Ca ²⁺ , Zn ²⁺ and Cu ⁺ metal cations to 2'-deoxyguanosine: Changes on sugar puckering and strength of the N-glycosidic bond. 2011 , 18, 1343-1352	10
800	Associative combination of lone pair- π and anion- π interactions observed in a ternary system comprising Mg(II)-malonate \cdots aminopyridine \cdots hexafluoridophosphate. 2011 , 30, 2121-2126	12
799	Correlation between polymer architecture, mesoscale structure and photovoltaic performance in side-chain-modified poly(p-arylene-ethynylene)-alt-poly(p-arylene-vinylene): PCBM bulk-heterojunction solar cells. 2011 , 52, 3819-3826	31
798	Vibrational spectra of cyclooctatetraenyl alkali metal complexes [C ₈ H ₈ M ₂ (M=Na, K)]: A theoretical study. 2011 , 57, 288-293	5
797	Structures of electrosprayed Pb(Uracil-H) ⁺ complexes by infrared multiple photon dissociation spectroscopy. 2011 , 308, 167-174	28

796	Aromatic interactions at the catalytic subsite of sucrose phosphorylase: their roles in enzymatic glucosyl transfer probed with Phe52->Ala and Phe52->Asn mutants. 2011 , 585, 499-504		14
795	Role of non-covalent interactions in binding of non-coordinating anions: Syntheses, characterization and single crystal structure determination of cobalt(III) complexes with 2,2'-biimidazole and 1,10-phenanthroline ligands. 2011 , 376, 64-72		5
794	Four new copper(II) complexes with di-substituted s-triazine-based ligands. 2011 , 376, 350-357		11
793	Inhibition of human Na(v)1.5 sodium channels by strychnine and its analogs. 2011 , 82, 350-7		5
792	Formation of hybrid wormlike micelles upon mixing cetyl trimethylammonium bromide with poly(methyl methacrylate-co-sodium styrene sulfonate) copolymers in aqueous solution. 2011 , 27, 5054-61		29
791	Influence of end-capping on the self-assembly of model amyloid peptide fragments. 2011 , 115, 2107-16		46
790	The CH/πhydrogen bond in chemistry. Conformation, supramolecules, optical resolution and interactions involving carbohydrates. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13873-900	3.6	644
789	Structural and energetic study of cation-πcation interactions in proteins. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9849-9861	3.6	16
788	Simulation insight into water transport mechanisms through multilayer graphene-based membrane. 2017 , 128, 87-97		24
787	Povarov Reaction of Cycloiminium Formed in Situ via Hydroamination Cycloisomerization of Homopropargylic Amines with Electron-Rich Olefins. 2017 , 82, 950-958		18
786	Triggering the Self-Healing Properties of Modified Bromobutyl Rubber by Intrinsically Electrical Heating. 2017 , 302, 1600385		25
785	B-HbπInteractions in benzeneBorazine sandwich and multidecker complexes: a DFT study. 2017 , 41, 1293-1302		21
784	Thermal decomposition and biological activity of two supramolecular hybrid nitrates templated by piperazine. 2017 , 127, 1553-1565		4
783	Reduced graphene oxide paper as bimorphic electrical actuators. 2017 , 191, 182-185		14
782	Intramolecular cation-πInteractions in protonated phenylalanine derivatives. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 729-734	3.6	11
781	Arpeggio: A Web Server for Calculating and Visualising Interatomic Interactions in Protein Structures. 2017 , 429, 365-371		195
780	Binding of Alkali Metal Ions with 1,3,5-Tri(phenyl)benzene and 1,3,5-Tri(naphthyl)benzene: The Effect of Phenyl and Naphthyl Ring Substitution on Cation-πInteractions Revealed by DFT Study. 2017 , 121, 8927-8938		4
779	Fe(OTf) ₃ -catalysed Friedel-Crafts reaction of benzenoid arenes with π,π-unsaturated carbonyl compounds: easy access to 1,1-diarylalkanes. 2017 , 4, 170748		6

778	Understanding the wettability of nanometer-thick room temperature ionic liquids (RTILs) on solid surfaces. 2017 , 28, 2045-2052		9
777	Metal-Ion-Modified Black Phosphorus with Enhanced Stability and Transistor Performance. <i>Advanced Materials</i> , 2017 , 29, 1703811	24	353
776	Synthesis of a water-soluble pillar[6]arene dodecaamine and its selective binding of acidic amino acids in water. 2017 , 58, 4403-4406		12
775	Selective binding of choline by a phosphate-coordination-based triple helicate featuring an aromatic box. 2017 , 8, 938		39
774	Growth, characterization, and thin film transistor application of CH ₃ NH ₃ PbI ₃ perovskite on polymeric gate dielectric layers. 2017 , 7, 49353-49360		18
773	How to make nanobiosensors: surface modification and characterisation of nanomaterials for biosensing applications. 2017 , 7, 49386-49403		69
772	Synthesis of Indolizine-Containing Diaryl- and Triarylmethanes through a Cu-Catalyzed Domino Cyclization of 2-(2-Enynyl)pyridines. 2017 , 6, 1857-1866		9
771	Structural and Chemical Biology of Terpenoid Cyclases. <i>Chemical Reviews</i> , 2017 , 117, 11570-11648	68.1	416
770	Stabilization of 2,6-Diarylanilinum Cation by Through-Space Cation- π Interactions. 2017 , 82, 9418-9424		11
769	Self-assembling of supramolecular adducts by sulfonato-calix[4]arene and pyridinium gemini guests in neutral aqueous solution. 2017 , 656, 47-52		6
768	A polynuclear and two dinuclear copper(II) Schiff base complexes: Synthesis, characterization, self-assembly, magnetic property and DFT study. 2017 , 137, 332-346		17
767	Mechanistic Study on Nickel-Catalyzed Silylation of Aryl Methyl Ethers. 2017 , 23, 17249-17256		17
766	All-metal aromatic cationic palladium triangles can mimic aromatic donor ligands with Lewis acidic cations. 2017 , 8, 7394-7402		17
765	Nine supramolecular assemblies from 5,7-dimethyl-1,8-naphthyridine-2-amine and carboxylic acids by strong classical H-bonds and other noncovalent associations. 2017 , 1150, 595-613		4
764	An assessment of the random-phase approximation functional and characteristics analysis for noncovalent cation- π Interactions. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26014-26021	3.6	6
763	Cooperative Noncovalent Interactions Induce Ion Pair Separation in Diphenylsilanides. 2017 , 23, 15633-15637		10
762	A statistical physics study of the interaction of [7]-helicene with alkali cations (K ⁺ and Cs ⁺): new insights on microscopic adsorption behavior. 2017 , 7, 44712-44723		16
761	A novel interaction study of Th(IV) and Zr(IV) with 4-sulfonatocalix[6]arene: Experimental and theoretical investigation. 2017 , 137, 207-216		5

760	Theoretical investigation of the π -stacking interactions in substituted pyridinium ion. 2017 , 77, 225-231	4
759	Electrostatic Catalyst Generated from Diazadiborinine for Carbonyl Reduction. 2017 , 3, 134-151	26
758	[2.2.2]Paracyclophane as a receptor for the cesium cation in the gas phase. 2017 , 115, 2553-2557	2
757	Comparison of π -Hole and σ -Hole Tetrel Bonds Formed by Pyrazine and 1,4-Dicyanobenzene: The Interplay between Anion- π and Tetrel Bonds. 2017 , 18, 2442-2450	36
756	A Bulky m-Terphenyl Cyclopentadienyl Ligand and Its Alkali-Metal Complexes. 2017 , 129, 11773-11777	1
755	A Bulky m-Terphenyl Cyclopentadienyl Ligand and Its Alkali-Metal Complexes. 2017 , 56, 11615-11619	7
754	The Structure of Ethylbenzene, Styrene and Phenylacetylene Determined by Total Neutron Scattering. 2017 , 18, 2541-2548	9
753	CH Linkage Effects on the Reactivity of Bis(aminophosphine)-Ruthenium Complexes for Selective Hydrogenation of Esters into Alcohols. <i>Scientific Reports</i> , 2017 , 7, 3961	4-9 4
752	Aromaticity of the chelate rings. The case of bis(ethylenediamine)nickel(II). 2017 , 1117, 55-60	2
751	BushBull π -[PP] Systems in Catalysis. 2017 , 7, 6430-6439	21
750	Transition Metal Cation- π Interactions: Complexes Formed by Fe, Co, Ni, Cu, and Zn Binding with Benzene Molecules. 2017 , 121, 6500-6509	21
749	Tuning Cycloparaphenylene Host Properties by Chemical Modification. 2017 , 82, 9885-9889	31
748	Adsorption mechanism of mussel-derived adhesive proteins onto various self-assembled monolayers. 2017 , 7, 39530-39538	8
747	Crystallization-induced emission enhancement: A novel fluorescent Au-Ag bimetallic nanocluster with precise atomic structure. 2017 , 3, e1700956	119
746	Ligand Influence on Carbonyl Hydroboration Catalysis by Alkali Metal Hydridotriphenylborates [(L)M][HBPh] (M=Li, Na, K). 2017 , 23, 14292-14298	38
745	The preparation of decatungstate based high performance electrochromic film. 2017 , 639, 1-6	3
744	Strong Co-Ion Effect via Cation- π Interaction on the Self-Assembly of Metal-Organic Cationic Macrocycles. 2017 , 139, 12020-12026	29
743	Design of Air and Moisture Stable Ruthenophane and Ruthenium(II)- π Complexes and Study of Their Applications in Catalysis. 2017 , 2, 11195-11199	0

742	Thermosensitive Phase Separation Behavior of Poly(benzyl methacrylate)/Solvate Ionic Liquid Solutions. 2017 , 33, 14105-14114	9
741	Cation- π Interaction Triggered-Fluorescence of Clay Fillers in Polymer Composites for Quantification of Three-Dimensional Macrodispersion. 2017 , 89, 12472-12479	14
740	Competitive/co-operative interactions in acid base sandwich: role of cation vs. substituents. 2017 , 23, 341	1
739	Does alkali cation binding to aromatic ring retard the fluxional haptotropic migration? Evidences from density functional study. 2017 , 129, 1843-1851	
738	Cation- π Interaction: A Key Force for Sorption of Fluoroquinolone Antibiotics on Pyrogenic Carbonaceous Materials. 2017 , 51, 13659-13667	44
737	Practical, Broadly Applicable, π -Selective, Z-Selective, Diastereoselective, and Enantioselective Addition of Allylboron Compounds to Mono-, Di-, Tri-, and Polyfluoroalkyl Ketones. 2017 , 139, 9053-9065	56
736	From dynamic self-assembly to networked chemical systems. 2017 , 46, 5647-5678	176
735	Ion- and water-binding sites inside an occluded hourglass pore of a trimeric intracellular cation (TRIC) channel. 2017 , 15, 31	3
734	Electropolymerized Pyrrole-Based Conductive Polymeric Ionic Liquids and Their Application for Solid-Phase Microextraction. 2017 , 9, 24955-24963	36
733	Chemical Tongues and Noses Based upon Conjugated Polymers. 2017 , 375, 67	20
732	Interaction processes of ciprofloxacin with graphene oxide and reduced graphene oxide in the presence of montmorillonite in simulated gastrointestinal fluids. <i>Scientific Reports</i> , 2017 , 7, 2588	4-9 10
731	Synergy between experimental and computational studies of aromatic stacking interactions. 2017 , 15, 1554-1564	40
730	Fabrication of graphene oxide/polymer latex composite film coated on KNO ₃ fertilizer to extend its release duration. 2017 , 311, 318-325	26
729	Calix[3]carbazole: A C-symmetrical receptor for barium ion. 2017 , 174, 32-36	3
728	Non-covalent interactions in the synthesis of coordination compounds: Recent advances. 2017 , 345, 54-72	181
727	The Chemical Bond. 2017 , 1-40	11
726	Random-phase-approximation theory for sequence-dependent, biologically functional liquid-liquid phase separation of intrinsically disordered proteins. 2017 , 228, 176-193	73
725	Cation- π Interaction of the univalent silver cation with meso-octamethylcalix[4]pyrrole: Experimental and theoretical study. 2017 , 1130, 408-413	1

724	Elucidating a chemical defense mechanism of Antarctic sponges: A computational study. 2017 , 71, 104-115	24
723	The molecular basis of phosphite and hypophosphite recognition by ABC-transporters. 2017 , 8, 1746	27
722	Efficient removal of tetracycline with KOH-activated graphene from aqueous solution. 2017 , 4, 170731	9
721	A Mathematical Approach to Protein Biophysics. 2017 ,	3
720	Crown Ethers. 2017 , 3-48	5
719	Introduction and Overview of Supramolecular Receptor Types. 2017 , 1-10	2
718	K ⁺ and K ⁺ Non-Covalent Interactions in Functionalized Potassium Fluoroalkoxides. 2017 , 5, 13	5
717	A Palladium Catalyst System for the Efficient Cross-Coupling Reaction of Aryl Bromides and Chlorides with Phenylboronic Acid: Synthesis and Biological Activity Evaluation. 2017 , 22,	14
716	[2 + 2] Photodimerization of Naphthylvinylpyridines through Cation-Interactions in Acidic Solution. 2017 , 22,	6
715	Conserved Binding Regions Provide the Clue for Peptide-Based Vaccine Development: A Chemical Perspective. 2017 , 22,	7
714	Progress in the Understanding of Traditional and Nontraditional Molecular Interactions. 2017 , 67-100	3
713	Computational Studies of Supramolecular Systems: Resorcinarenes and Pyrogallolarenes. 2017 , 303-342	2
712	Supramolecular Membrane Chemistry. 2017 , 311-328	1
711	Self-healing properties of carbon nanotube filled natural rubber/bromobutyl rubber blends. 2017 , 11, 230-242	42
710	The Supramolecular Alkali Metal Cation-Interaction. 2017 , 103-120	1
709	Amino Acid-Based Receptors. 2017 , 293-310	0
708	Recognition of shorter and longer trimethyllysine analogues by epigenetic reader proteins. 2018 , 54, 2409-2412	11
707	Interactions of Substituted Nitroaromatics with Model Graphene Systems: Applicability of Hammett Substituent Constants To Predict Binding Energies. 2018 , 3, 2773-2785	3

- 706 Uniformly Grafting SnO₂ Nanoparticles on Ionic Liquid Reduced Graphene Oxide Sheets for High Lithium Storage. **2018**, 5, 1701685 11
- 705 Synthesis of Dipotassium 2,2'-Bis(2-oxidobenzylideneamino)-4,4'-dimethyl-1,1'-biphenyl Derivatives and Use as Ligand Transfer Reagent. **2018**, 2018, 1563-1570 4
- 704 Concerning the mechanism of iodine(III)-mediated oxidative dearomatization of phenols. **2018**, 16, 2324-2329 20
- 703 Effect of Cation- π Interaction on Macroionic Self-Assembly. **2018**, 130, 4131-4136 8
- 702 Magnetic Porous Polymers Prepared via High Internal Phase Emulsions for Efficient Removal of Pb²⁺ and Cd²⁺. **2018**, 6, 5206-5213 83
- 701 Crystal structures of resorcin[4]arene and pyrogallol[4]arene complexes with proline: A model for proline recognition through C-H \cdots N interaction. **2018**, 1163, 336-344
- 700 Pharmacophore Perception and Applications. **2018**, 259-282 1
- 699 Weak Intermolecular Interactions. **2018**, 289-319 2
- 698 Protein Aggregation and Performance Optimization Based on Microconformational Changes of Aromatic Hydrophobic Regions. **2018**, 15, 2257-2267 10
- 697 Recyclable Crosslinked High-Performance Polymers via Adjusting Intermolecular Cation- π Interactions and the Visual Detection of Tensile Strength and Glass Transition Temperature. **2018**, 39, e1800031 10
- 696 Quest for Insight into Ultrashort C-H \cdots N Proximities in Molecular "Iron Maidens". **2018**, 83, 5114-5122 7
- 695 Topology and Electronic Density Driven Generation of Alkali Cation Complexes. **2018**, 24, 8656-8663 5
- 694 Effect of Acidity of Ionic Liquids on Hydrogen Bonding Interaction between Ionic Liquids and Lignin Monomers. **2018**, 3, 3570-3574 4
- 693 Alkali Cation Effects on Redox-Active Formazanate Ligands in Iron Chemistry. **2018**, 57, 9580-9591 22
- 692 The Model Structures of the Complement Component C5a Receptor (C5aR) Bound to the Native and Engineered C5a. *Scientific Reports*, **2018**, 8, 2955 4-9 9
- 691 Adsorptive Removal of Indole and Quinoline from Model Fuel over Various UiO-66s: Quantitative Contributions of H-Bonding and Acid-Base Interactions to Adsorption. **2018**, 122, 4532-4539 41
- 690 Cation- π Interactions in protein-ligand binding: theory and data-mining reveal different roles for lysine and arginine. **2018**, 9, 2655-2665 120
- 689 Fascinating interaction of the ammonium cation with [2.2.2]paracyclophane: experimental and theoretical study. **2018**, 116, 1245-1250

688	Effect of Cation-Interaction on Macroionic Self-Assembly. 2018 , 57, 4067-4072		28
687	In-silico and in-vitro evaluation of human acetylcholinesterase inhibition by organophosphates. 2018 , 57, 131-140		17
686	Linear and nonlinear properties of novel materials based on DNA containing [2.2]paracyclophane moiety. 2018 , 75, 547-553		5
685	Probing molecular interaction mechanisms of organic fouling on polyamide membrane using a surface forces apparatus: Implication for wastewater treatment. 2018 , 622-623, 644-654		12
684	A chromium(III) oxide-coated steel wire prepared by arc ion plating for use in solid-phase microextraction of aromatic hydrocarbons. 2017 , 185, 82		9
683	Patterns of cation binding to the aromatic amino acid R groups in Trp, Tyr, and Phe. 2018 , 72, 11-15		4
682	Structural basis for substrate discrimination by repair enzyme, AlkB.. 2018 , 8, 1281-1291		
681	Structure-Packing-Property Correlation of Self-Sorted Versus Interdigitated Assembly in TTF/TCNQ-Based Charge-Transport Materials. 2018 , 24, 12318-12329		20
680	High-Performance pH-Switchable Supramolecular Thermosets via Cation-Interactions. <i>Advanced Materials</i> , 2018 , 30, 1704234	24	79
679	Improved catalytic properties of a serine hydroxymethyl transferase from <i>Idiomarina loihiensis</i> by site directed mutagenesis. 2018 , 117, 1216-1223		6
678	Theoretical studies and molecular dynamics simulations on ion transport properties in nanochannels and nanopores. 2018 , 27, 024702		1
677	Bromotryptophans and their incorporation in cyclic and bicyclic privileged peptides. 2018 , 109, e23112		9
676	Theoretical investigations of transport properties of organic solvents in cation-functionalized graphene oxide membranes: Implications for drug delivery. 2018 , 11, 254-263		7
675	Molecular electrostatic potential and "atoms-in-molecules" analyses of the interplay between Hole and lone pair \cdots X-H \cdots metal \cdots interactions. 2018 , 39, 458-463		18
674	Adsorptive removal of indole and quinoline from model fuel using adenine-grafted metal-organic frameworks. 2018 , 344, 593-601		45
673	Conformational Selection of Dimethylarginine Recognition by the Survival Motor Neuron Tudor Domain. 2018 , 130, 495-499		
672	meso- Octamethylcalix[4]pyrrole as an effective macrocyclic receptor for the univalent thallium cation in the gas phase: Experimental and theoretical study. 2018 , 1153, 78-84		4
671	Cation-Interaction of the univalent sodium cation with [2.2.2]paracyclophane: Experimental and theoretical study. 2018 , 1154, 79-82		3

670	Conformational Selection of Dimethylarginine Recognition by the Survival Motor Neuron Tudor Domain. 2018 , 57, 486-490	1
669	Understanding interactions between lignin and ionic liquids with experimental and theoretical studies during catalytic depolymerisation. 2018 , 309, 98-108	20
668	Experimental and theoretical insight into the cooperativity effect in composite wax powder and ternary complex of coronene with CH ₄ and Mn ⁺ (Mn ⁺ = Li ⁺ , Na ⁺ , K ⁺ , Be ²⁺ , Mg ²⁺ or Ca ²⁺). 2018 , 116, 143-153	5
667	Host-guest interactions between octa acid and cations/nucleobases. 2018 , 39, 161-175	10
666	How accurate is the description of ligand-protein interactions by a hybrid QM/MM approach?. 2017 , 24, 11	8
665	Nanoscale Structure-Property Relationships of Polyacrylonitrile/CNT Composites as a Function of Polymer Crystallinity and CNT Diameter. 2018 , 10, 1017-1027	28
664	Infrared Spectroscopy of Au(Acetylene) _n + Complexes in the Gas Phase. 2018 , 61, 49-61	15
663	Exploration of ligand-induced protein conformational alteration, aggregate formation, and its inhibition: A biophysical insight. 2018 , 48, 43-56	3
662	Interaction between a Unique Minor Protein and a Major Capsid Protein of Bluetongue Virus Controls Virus Infectivity. 2018 , 92,	6
661	The Stabilization of Glycosyl Cations Through Cooperative Noncovalent Interactions: A Theoretical Perspective. 2018 , 19, 659-665	4
660	The triel bond: a potential force for tuning anion-π interactions. 2018 , 116, 388-398	20
659	Experimental and Theoretical Study on Cation-π Interaction of the Potassium Cation with [2.2.2]Paracyclophane. 2018 , 29, 21-25	3
658	Cation-π Complex of Ag(I) ion with 1H-indole-5-carboxylic acid: Structural analysis and energetics of the M-π bonds. 2018 , 471, 219-222	5
657	Anion-π Interactions in active centers of superoxide dismutases. 2018 , 106, 559-568	9
656	Interaction of Non-polarizable Cations with Azaborine Isomers and Their Mono-Substituted Derivatives: Position, Induction, and Non-Classical Effects Matter. 2018 , 19, 3092-3106	6
655	On the formation of sandwich and multidecker complexes via π-π interaction: a DFT study. 2018 , 42, 19924-19933	4
654	Direct observation of adsorption kinetics on clays by cation-π interaction-triggered aggregation luminescence. 2018 , 6, 13218-13224	7
653	Aromatic Charge Resonance Interaction Probed by Infrared Spectroscopy. 2018 , 131, 3389	

- 652 A Vision on Organosilicon Chemistry and Silicene. **2018**, 1-21 2
- 651 Unexpectedly High Salt Accumulation inside Carbon Nanotubes Soaked in Dilute Salt Solutions. **2018**, 121, 226102 17
- 650 Exploring the origin and magnitude of tetrasulfur tetranitrogen interaction with π -ring systems using first principle calculations. **2018**, 713, 160-165 1
- 649 Proton transfer from imidazole to chloranil studied by FTIR spectroscopy. **2018**,
- 648 Switching of binding site from nonpolar to polar ligands toward cationic benzonitrile revealed by infrared spectroscopy. **2018**, 149, 174315 11
- 647 Cation- π Interactions in Organic Synthesis. *Chemical Reviews*, **2018**, 118, 11353-11432 68.1 92
- 646 Selective Extraction of C by a Tetragonal Prismatic Porphyrin Cage. **2018**, 140, 13835-13842 64
- 645 High-performance natural rubber latex composites developed by a green approach using ionic liquid-modified multiwalled carbon nanotubes. **2018**, 135, 46588 9
- 644 Polyaniline-Encapsulated Metal-Organic Framework MIL-101: Adsorbent with Record-High Adsorption Capacity for the Removal of Both Basic Quinoline and Neutral Indole from Liquid Fuel. **2018**, 10, 35639-35646 41
- 643 Cation- π Interactions in Biochemistry: A Primer. **2018**, 95, 2284-2288 5
- 642 Comparison of Cation- π and Anion- π Interactions by Way of Antiaromaticity. **2018**, 92, 1980-1986
- 641 Cyclopropenium Enhanced Thiourea Catalysis. **2018**, 83, 13973-13980 15
- 640 Substrate Oxidation Prompted by Solvent Dissociation: The Role of Peroxo-Vanadate and Ag- π Interaction. **2018**, 568, 191-201 9
- 639 Heavy Metal Exposure Alters the Uptake Behavior of 16 Priority Polycyclic Aromatic Hydrocarbons (PAHs) by Pak Choi (*Brassica chinensis* L.). **2018**, 52, 13457-13468 26
- 638 Mechanistic Study of the Ru-Catalyzed Asymmetric Hydrogenation of Nonchelatable and Chelatable tert-Alkyl Ketones Using the Linear Tridentate $sp^3P/sp^3NH/sp^2N$ -Combined Ligand PN(H)N: RuNH- and RuNK-Involved Dual Catalytic Cycle. **2018**, 8, 11059-11075 3
- 637 Salt Bridge in Ligand-Protein Complexes-Systematic Theoretical and Statistical Investigations. **2018**, 58, 2224-2238 26
- 636 Exploring the Aggregation Mechanism of Graphene Oxide in the Presence of Radioactive Elements: Experimental and Theoretical Studies. **2018**, 52, 12208-12215 36
- 635 Theoretical investigation of gold(I)-catalyzed intramolecular SEAr in isoxazole derivatives: Mechanisms, origin of regioselectivity, and role of hydrogen acceptor. **2018**, 460, 27-35 8

- 634 An Efficient Ga(OTf)₃/Isopropanol Catalytic System for Direct Reduction of Benzylic Alcohols. **2018**, 360, 4330-4335 8
- 633 Cobalt-Catalyzed Formation of Functionalized Diarylmethanes from Benzylmesylates and Aryl Halides. **2018**, 360, 3026-3029 12
- 632 Effect of counterion on the reactivity, stability, aromaticity and charge distribution in mono- and polyphosphacyclopentadienide ions [A theoretical investigation. **2018**, 1139, 27-37 1
- 631 Selectivity for La ion by synthesized 4-((5-methylfuran-2-yl)methylene)hydrazono)methyl)phenol receptor and its spectral analysis. **2018**, 204, 581-589 8
- 630 Synthesis, structural characterization and DFT analysis of an unusual tryptophan copper(II) complex bound via carboxylate monodentate coordination: Tetraaquabis(L-tryptophan) copper(II) picrate. **2018**, 482, 324-332 3
- 629 Nickel(II) based homo- vs heterometallic 1D coordination polymers derived from a novel 6-aminouracil building block: Structures, topologies, non-covalent interactions, magnetism, and antibacterial activity. **2018**, 482, 384-394 8
- 628 Beadwork and Network: Strings of Silver Ions Stitch Large-Pyrazolate Patches into a Two-dimensional Sheet. **2018**, 18, 3713-3718 5
- 627 Pentavalent phosphorus as a unique phosphorus donor in POCl homodimer and POCl-HO heterodimer: matrix isolation infrared spectroscopic and computational studies. *Physical Chemistry Chemical Physics*, **2018**, 20, 22058-22075 3.6 16
- 626 Cation-Induced Exfoliation of Graphite by a Zwitterionic Polymeric Dispersant for Congo Red Adsorption. **2018**, 1, 3878-3885 6
- 625 Synthesis of novel imidazopyridines and their biological evaluation as potent anticancer agents: A promising candidate for glioblastoma. **2018**, 28, 2647-2651 9
- 624 Synthetic Evolution of the Multifarene Cavity from Planar Predecessors. **2018**, 24, 15319-15328 2
- 623 On the cation(π) interactions in 1,2-dihydro-1,2-azaborine. **2018**, 130, 1 1
- 622 Iodide-π Interactions of Perhalogenated Quinoid Rings in Co-crystals with Organic Bases. **2018**, 18, 5182-5193 12
- 621 Study of the Effect of Pyrolysis Temperature on the Cd²⁺ Adsorption Characteristics of Biochar. **2018**, 8, 1019 31
- 620 Intra-/Intermolecular Bifurcated Chalcogen Bonding in Crystal Structure of Thiazole/Thiadiazole Derived Binuclear (Diaminocarbene)PdII Complexes. **2018**, 8, 112 26
- 619 Facile in situ fabrication of oriented titania submicrorods embedded into a superelastic nickel-titanium alloy fiber substrate and their application in solid-phase microextraction. **2018**, 42, 12929-12937⁴ 7
- 618 Stimuli-responsive metal-organic supercontainers as synthetic proton receptors. **2018**, 47, 10256-10263 5
- 617 Coordination Polymers Based on Phthalic Acid and Aminopyrazine Ligands: On the Importance of N-H···N Interactions. **2018**, 10, 12 12

- 616 The Exterior of Single-Walled Carbon Nanotubes as a Millimeter-Long Cation-Preferring Nanochannel. **2018**, 30, 5184-5193 5
- 615 Exploiting CH/π Interactions in robust supramolecular adhesives. **2018**, 9, 4303-4308 1
- 614 Impact of CH₂H₅ and OH Functionalizations on the Water Flow Blockage in Carbon Nanotubes. **2018**, 122, 11807-11813 5
- 613 Two stereocentered HKR of anti-1,1-diphenylpropanoxirane and anti-3-phenylethyloxiranes catalysed by Co(III)(salen)-OAc complex: enantioselective synthesis of (+)-sertraline and (+)-naproxen. **2018**, 42, 10414-10420 1
- 612 Two-dimensional Na-Cl crystals of unconventional stoichiometries on graphene surface from dilute solution at ambient conditions. **2018**, 10, 776-779 72
- 611 Binding patterns of metal cations (Na⁺, K⁺, Cu²⁺, and Zn²⁺) with Trp-Trp di-peptide investigated by DFT, NBO, and MD simulation. **2018**, 1141, 7-14 2
- 610 Coordination of arenes and phosphines by charge separated alkaline earth cations. **2018**, 47, 12684-12693 43
- 609 Diarylcyclopropane hydroxamic acid inhibitors of histone deacetylase 4 designed by combinatorial approach and QM/MM calculations. **2018**, 85, 97-110 2
- 608 Design and synthesis of two armed molecular receptor for recognition of Gd³⁺ metal ion and its computational study. **2018**, 32, e4502 6
- 607 Cationic Magnesium Arene Complexes. **2018**, 37, 2901-2909 39
- 606 One-pot aminobenylation of aldehydes with toluenes. **2018**, 9, 3365 32
- 605 Questions in natural products synthesis research that can (and cannot) be answered using computational chemistry. **2018**, 47, 7845-7850 18
- 604 Bipolar behaviour of salt-bridges: a combined theoretical and crystallographic study. **2018**, 42, 12134-12142 14
- 603 Valence Bond Based Energy Decomposition Analysis Scheme and Its Application to Cation-π Interactions. **2018**, 122, 5886-5894 10
- 602 Informing Molecular Design by Stereoelectronic Theory: The Fluorine Gauche Effect in Catalysis. **2018**, 51, 1701-1710 67
- 601 Comparative study of interfacial interaction between aromatic and aliphatic functional group in solder wettability. **2018**, 29, 12910-12916 8
- 600 Comprehensive Theoretical Study of Interactions between Ag and Polycyclic Aromatic Hydrocarbons. **2018**, 19, 2579-2588 8
- 599 Cytotoxicity induced by the mixture components of nickel and poly aromatic hydrocarbons. **2019**, 41, 391-400 1

598	New hybrid cluster-continuum model for pKa values calculations: Case study of neurotransmitters' amino group acidity. 2019 , 516, 55-62	4
597	Tracking the absence of anion'interactions in modified [23](1,3,5)cyclophanes: insights from computation. 2019 , 43, 13271-13281	1
596	Evaluation of experimental alkali metal ion-ligand noncovalent bond strengths with DLPNO-CCSD(T) method. 2019 , 151, 014301	5
595	Synthesis and Photodimerization of 2- and 2,3-Disubstituted Anthracenes: Influence of Steric Interactions and London Dispersion on Diastereoselectivity. 2019 , 84, 10120-10135	7
594	Impact of Aromatic Stacking on Glycoside Reactivity: Balancing CH/π and Cation/π Interactions for the Stabilization of Glycosyl-Oxocarbenium Ions. 2019 , 141, 13372-13384	17
593	Understanding the interplay between π and cation-π interactions in [janusene-Ag] host-guest systems: a computational approach. 2019 , 48, 13281-13292	3
592	Molecular structure, QTAIM and bonding character of cation-π interactions of mono- and divalent metal cations (Li+, Na+, K+, Be2+, Mg2+ and Ca2+) with drug of acetaminophen. 2019 , 138, 1	8
591	Ambient-temperature catalytic degradation of aromatic compounds on iron oxide nanorods supported on carbon nanofiber sheet. 2019 , 259, 118066	15
590	Sesquiterpene Cyclizations inside the Hexameric Resorcinarene Capsule: Total Synthesis of β -selinene and Mechanistic Studies. 2019 , 131, 12818-12825	8
589	Physical Chemistry of Cold Gas-Phase Functional Molecules and Clusters. 2019 ,	1
588	Ion-migration and carrier-recombination inhibition by the cation-π interaction in planar perovskite solar cells. 2019 , 75, 105387	9
587	Threading carbon nanotubes through a self-assembled nanotube. 2019 , 10, 7868-7877	11
586	Metal Cation Coordination and Solvation Studied with Infrared Spectroscopy in the Gas Phase. 2019 , 157-194	3
585	Cation-π Interactions and Their Contribution to Mussel Underwater Adhesion Studied Using a Surface Forces Apparatus: A Mini-Review. 2019 , 35, 16002-16012	21
584	Mutagenesis computer experiments in pentameric ligand-gated ion channels: the role of simulation tools with different resolution. 2019 , 9, 20180067	8
583	A combined experimental and theoretical analysis of the solid-state supramolecular self-assembly of N-(2,4-dichlorophenyl)-1-naphthamide: Synthesis, anticholinesterase potential and molecular docking analysis. 2019 , 1197, 458-470	10
582	Surface Recognition Directed Selective Removal of Dyes from Aqueous Solution on Hydrophilic Functionalized Petroleum Coke Sorbents. A Supramolecular Perspective. 2019 , 58, 14761-14774	4
581	Efficient synthesis, spectroscopic characterization and DFT based studies of novel 1-amide 4-sulfonamide-1,2,3-triazole derivatives. 2019 , 1197, 164-170	8

580	Effect of pyrolysis condition on the adsorption mechanism of heavy metals on tobacco stem biochar in competitive mode. 2019 , 26, 26947-26962	12
579	Effects of ionic interactions on protein stability prediction using solid-state hydrogen deuterium exchange with mass spectrometry (ssHDX-MS). 2019 , 568, 118512	3
578	Nanometer-Thick Fluorinated Ionic Liquid Films as Lubricants in Data-Storage Devices. 2019 , 2, 5260-5265	8
577	The interaction between methionine and two aromatic amino acids is an abundant and multifunctional motif in proteins. 2019 , 672, 108053	17
576	Step-by-Step Assembled Enzyme-Polymer-Carbon Nanotubes for Solution-Processed Bioreactive Composites. 2019 , 2, 4323-4332	1
575	Molecular recognition of planar and non-planar aromatic hydrocarbons through multipoint Ag- π bonding in a dinuclear metallo-macrocycle. 2019 , 10, 7172-7176	7
574	Synthesis of DABCO-based ionic liquid functionalized magnetic nanoparticles as a novel sorbent for the determination of cephalosporins in milk samples by dispersive solid-phase extraction followed by ultra-performance liquid chromatography-tandem mass spectrometry. 2019 , 43, 13554-13570	16
573	Benzyl Phenylsemicarbazides: A Chemistry-Driven Approach Leading to G Protein-Biased Dopamine D Receptor Agonists with High Subtype Selectivity. 2019 , 62, 9658-9679	4
572	Geometric and Electronic Structures of Ag(benzo-18-crown-6), Ag(dibenzo-18-crown-6), and Ag(dibenzo-15-crown-5) Complexes Investigated by Cold Gas-Phase Spectroscopy. 2019 , 123, 9185-9192	2
571	Polyacrylonitrile Interactions with Carbon Nanotubes in Solution: Conformations and Binding as a Function of Solvent, Temperature, and Concentration. 2019 , 29, 1905247	12
570	Halide metathesis in overdrive: mechanochemical synthesis of a heterometallic group 1 allyl complex. 2019 , 15, 1856-1863	5
569	Preparation of polyglycerol mediated superparamagnetic graphene oxide nanocomposite and evaluation of its adsorption properties on tetracycline. 2019 , 26, 32345-32359	11
568	π -Interaction effect in insertion polymerization with η^2 -Diimine palladium systems. 2019 , 378, 184-191	34
567	The nature of small molecules adsorbed on defective carbon nanotubes. 2019 , 6, 190727	3
566	Metal- π Interactions in Light of Geometry-Corrected Statistical Analysis. 2019 , 19, 7264-7270	3
565	Adjacent cationic-aromatic sequences yield strong electrostatic adhesion of hydrogels in seawater. 2019 , 10, 5127	106
564	Studies of Halogen Bonding Induced by Pentafluorosulfanyl Aryl Iodides: A Potential Group of Halogen Bond Donors in a Rational Drug Design. 2019 , 24,	5
563	Photocatalytic Aerobic Double Friedel-Crafts Reaction of Glycine Derivatives with Anilines: An Efficient Synthesis of Diarylmethanes. 2019 , 8, 2058-2064	3

562	Recovery of Bisphenol A by pH-Triggered Magnetic Nanoparticles. 2019 , 14, 1950065		2
561	Cesium-adsorption mechanisms of woody charcoal discussed on the basis of its functional groups and nanostructure. 2019 , 65,		2
560	Importance of π -Interactions Involving Chelate Rings in Addition to the Tetrel Bonds in Crystal Engineering: A Combined Experimental and Theoretical Study on a Series of Hemi- and Holodirected Nickel(II)/Lead(II) Complexes. 2019 , 19, 5869-5881		38
559	Ligand's electronegativity controls the sense of enantioselectivity in BIFOP-X palladium-catalyzed allylic alkylations. 2019 , 43, 15743-15753		
558	A comprehensive computational study of amino acid interactions in membrane proteins. <i>Scientific Reports</i> , 2019 , 9, 12043	4.9	17
557	Cooperative Silver Ion-Pair Recognition by Peralkylated Pillar[5]arenes. 2019 , 141, 15008-15012		51
556	Copper(ii) complexes with alloferon analogues containing phenylalanine H6F and H12F stability and biological activity lower stabilization of complexes compared to analogues containing tryptophan. 2019 , 11, 1700-1715		4
555	Investigation of Drug for Pulmonary Administration-Model Pulmonary Surfactant Monolayer Interactions Using Langmuir-Blodgett Monolayer and Molecular Dynamics Simulation: A Case Study of Ketoprofen. 2019 , 35, 13452-13460		10
554	Scaling up the Synthesis of a Hydroxyquinoline-Functionalized p-tert-Butylcalix[4]arene. 2019 , 23, 2425-2438		1
553	Specific Encapsulation of Acetylcholine Chloride by a Self-Assembled Molecular Capsule with Sulfonamido Moiety. 2019 , 21, 8300-8303		6
552	Structural and functional insights into TRiC chaperonin from a psychrophilic yeast, <i>Glaciozyma antarctica</i> . 2019 , 24, 351-368		3
551	Effect of sodium caseinate and vitamin A complexation on bioaccessibility and bioavailability of vitamin A in Caco-2 cells. 2019 , 121, 910-918		14
550	N-C-H \cdots O Hydrogen bonds in protein-ligand complexes. <i>Scientific Reports</i> , 2019 , 9, 767	4.9	46
549	Ionic Assembly, Anion- π Magnetic, and Electronic Attributes of Ambient Stable Naphthalenediimide Radical Ions. 2019 , 25, 4740-4750		4
548	Predictive quantitative structure-property relationship (QSPR) modeling for adsorption of organic pollutants by carbon nanotubes (CNTs). 2019 , 6, 224-247		17
547	Solvent-driven structural topology involving energetically significant intra- and intermolecular chelate ring contacts and anticancer activities of Cu(ii) phenanthroline complexes involving benzoates: experimental and theoretical studies.. 2019 , 9, 16339-16356		38
546	A Transient and Flexible Cation- π Interaction Promotes Hydrolysis of Nucleic Acids in DNA and RNA Nucleases. 2019 , 141, 10770-10776		17
545	IDPs and IDRs in biomolecular condensates. 2019 , 209-255		7

544	Sesquiterpene Cyclizations inside the Hexameric Resorcinarene Capsule: Total Synthesis of β -Selinene and Mechanistic Studies. 2019 , 58, 12688-12695		23
543	Secondary Forces in Protein Folding. 2019 , 14, 1677-1686		44
542	Organic Semiconductor Cocrystal for Highly Conductive Lithium Host Electrode. 2019 , 29, 1902888		13
541	A Protonated Quinone Methide Stabilized by a Combination of Partial Aromatization and Interaction: Spectroscopic and Crystallographic Analysis. 2019 , 84, 8284-8288		2
540	Competition and Cooperation among Different Attractive Forces in Solutions of Inorganic-Organic Hybrids Containing Macroionic Clusters. 2019 , 35, 7603-7616		10
539	High-Lithium-Affinity Chemically Exfoliated 2D Covalent Organic Frameworks. <i>Advanced Materials</i> , 2019 , 31, e1901640	24	123
538	Guest encapsulations in non-porous crystals of fully fluorinated dinuclear metal complexes with the MO core (M = Fe, Co, Ni). 2019 , 48, 9062-9066		2
537	Classical Electrostatic Interaction Is the Origin for Blue-Shifting Halogen Bonds. 2019 , 58, 8577-8586		6
536	Ultrahigh binding affinity of a hydrocarbon guest inside cucurbit[7]uril enhanced by strong host-guest charge matching. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 14521-14529	3.6	16
535	Selective recognition of acetylcholine over choline by a fluorescent cage. 2019 , 17, 5253-5257		6
534	Catalysis Based on C π -I π Halogen Bonds: Electrophilic Activation of 2-Alkenylindoles by Cationic Halogen-Bond Donors for [4+2] Cycloadditions. 2019 , 131, 10326-10330		12
533	Catalysis Based on C-I π Halogen Bonds: Electrophilic Activation of 2-Alkenylindoles by Cationic Halogen-Bond Donors for [4+2] Cycloadditions. 2019 , 58, 10220-10224		37
532	A non-covalent cation- π interaction-based humidity-driven electric nanogenerator prepared with salt decorated wrinkled graphene. 2019 , 62, 189-196		14
531	A Facile Enantioselective Alkynylation of Chromones. 2019 , 58, 8416-8420		25
530	Novel Deazaflavin Analogues Potently Inhibited Tyrosyl DNA Phosphodiesterase 2 (TDP2) and Strongly Sensitized Cancer Cells toward Treatment with Topoisomerase II (TOP2) Poison Etoposide. 2019 , 62, 4669-4682		8
529	Cation- π Interaction of the Univalent Silver Cation with [2.2.2]Paracyclophane in the Gas Phase and in the Solid State: Experimental and Theoretical Study. 2019 , 30, 53-60		2
528	Structure-guided function discovery of an NRPS-like glycine betaine reductase for choline biosynthesis in fungi. 2019 , 116, 10348-10353		12
527	Spontaneous Formation of Nanoparticles from Peptide-Vinyl Polymer Diblock Hybrids Prepared by RAFT Polymerization and Their Interactions with Cells. 2019 , 4, 8104-8111		3

526	En route to terpene natural products utilizing supramolecular cyclase mimetics. 2019 , 36, 1619-1627	8
525	A Facile Enantioselective Alkynylation of Chromones. 2019 , 131, 8504	
524	Electron transfer properties of a redox polyelectrolyte based on ferrocenated imidazolium. 2019 , 305, 155-163	2
523	A bio-relevant supramolecular Co(ii)-complex for selective fluorescence sensing of μ range inorganic As(iii) in aqueous medium and its intracellular tracking in bacterial systems. 2019 , 48, 4362-4369	12
522	Discovering Monoterpene Catalysis Inside Nanocapsules with Multiscale Modeling and Experiments. 2019 , 141, 6234-6246	30
521	Precise control of the interlayer spacing between graphene sheets by hydrated cations. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 7623-7629	3.6 25
520	Tc-radiolabeled composites enabling in vivo imaging of arterial dispersal and retention of microspheres in the vascular network of rabbit lungs, liver, and liver tumors. 2019 , 14, 889-900	6
519	Design of Synthetic Polymer Nanoparticles Specifically Capturing Indole, a Small Toxic Molecule. 2019 , 20, 1644-1654	11
518	Dual Role of Doubly Reduced Arylboranes as Dihydrogen- and Hydride-Transfer Catalysts. 2019 , 141, 6082-6091	22
517	Lithiation of the Two-Dimensional Silicon Carbide-Graphene van der Waals Heterostructure: A First Principles Study. 2019 , 123, 10738-10745	7
516	Spectroscopic Determination of an Anion-Bond Strength. 2019 , 141, 6132-6135	25
515	Nervous System. 2019 , 1223-1500	3
514	Transition Metal Free Nucleophilic Benzoylation of Nitroarenes. Umpolung of the Friedel Crafts Reaction. 2019 , 361, 1641-1646	6
513	Ni-stabilizing additives for completion of Ni-rich layered cathode systems in lithium-ion batteries: An Ab initio study. 2019 , 418, 74-83	12
512	Few-Layered Boronic Ester Based Covalent Organic Frameworks/Carbon Nanotube Composites for High-Performance K-Organic Batteries. 2019 , 13, 3600-3607	124
511	A New Microbial Pathway for Organophosphonate Degradation Catalyzed by Two Previously Misannotated Non-Heme-Iron Oxygenases. 2019 , 58, 1627-1647	14
510	Electrostatic Complementarity as a Fast and Effective Tool to Optimize Binding and Selectivity of Protein-Ligand Complexes. 2019 , 62, 3036-3050	38
509	Substituent effects in the so-called cation- π interaction of benzene and its boron-nitrogen doped analogues: overlooked role of π -skeleton. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 6453-6466	3.6 7

508	Heterometallic Zn(II)-K(I) complex with salen-type Schiff-base ligand: Synthesis, crystal structure, solid-state photoluminescent property and theoretical study. 2019 , 1185, 112-120	13
507	Revisiting Ag ⁺ Interactions with bis((pyrrol-2-yl)methylene)hydrazine: CC versus CN bond complexation. 2019 , 21, 1853-1856	3
506	Noncovalent interactions in metal complex catalysis. 2019 , 387, 32-46	137
505	Conversion of dinitrogen to tris(trimethylsilyl)amine catalyzed by titanium triamido-amine complexes. 2019 , 55, 3231-3234	28
504	Formation of a tetranuclear supramolecule via non-covalent Pb ²⁺ Cl tetrel bonding interaction in a hemidirected lead(II) complex with a nickel(II) containing metaloligand. 2019 , 21, 6859-6868	18
503	Highly selective conversion of CO to CH on graphene modified chlorophyll Cu through multi-electron process for artificial photosynthesis. 2019 , 11, 22980-22988	13
502	The mutual noncovalent interactions based on metallophilic cluster and anions: A theoretical investigation of the molecular structure and spectroscopic properties of Host-Guest complexes. 2019 , 18, 1950028	1
501	A novel storage design for ultrahigh-cell-voltage Al-ion batteries utilizing cation- π Interactions. 2019 , 55, 14198-14201	3
500	Thiols in Natural Organic Matter: Molecular Forms, Acidity, and Reactivity with Mercury(II) from First-Principles Calculations and High Energy-Resolution X-ray Absorption Near-Edge Structure Spectroscopy. 2019 , 3, 2795-2807	4
499	Renewable 4-HIF/NaOH aerogel for efficient methylene blue removal cation- π Interaction induced electrostatic interaction.. 2019 , 9, 29772-29778	7
498	Synthesis and biological evaluation of geldanamycin-ferulic acid conjugate as a potent Hsp90 inhibitor.. 2019 , 9, 42509-42515	2
497	Unorthodox Combination of Cation- π and Charge-Transfer Interactions within a Donor-Acceptor Pair. 2019 , 35, 478-488	18
496	Toward Anion- π Interactions Directed Self-Assembly with Predesigned Dual Macrocyclic Receptors and Dianions. 2019 , 141, 1118-1125	34
495	Cation- π Interactions between Methylated Ammonium Groups and Tryptophan in the CHARMM36 Additive Force Field. 2019 , 15, 7-12	25
494	Using the Supermolecule Approach To Predict the Nonlinear Optics Potential of a Novel Asymmetric Azine. 2019 , 123, 153-162	10
493	Neutral Pyrrole Nitrogen Atom as a π and Mixed n, π Donor in Hydrogen Bonding. 2019 , 84, 726-737	5
492	Cation-mediated sandwich formation between benzene and pillar[5]arene: a DFT study. 2019 , 117, 734-745	5
491	Ag(I)- π Interactions with pyrrolic derivatives. 2019 , 380, 318-329	18

490	Aromatic Charge Resonance Interaction Probed by Infrared Spectroscopy. 2019 , 58, 3351-3355	15
489	Adsorption behaviour and mechanisms of cadmium and nickel on rice straw biochars in single- and binary-metal systems. 2019 , 218, 308-318	88
488	Structures and binding energies for complexations of different spin states of Ni ⁺ and Ni ²⁺ to aromatic molecules. 2019 , 117, 1392-1403	1
487	Weak interactions: The architect behind the structural diversity of coordination polymer. 2019 , 488, 86-119	25
486	Influence of heteroelement on dipole and quadrupole moments of a series of three-membered rings containing a second, third, fourth, or fifth-row atom: a theoretical investigation. 2019 , 30, 273-281	1
485	Gas-phase metal ion chelation investigated with IRMPD spectroscopy: A brief review of Robert Dunbar's contributions. 2019 , 25, 86-96	6
484	Intermolecular hydrogen bonding H \cdots Cl in crystal structure of palladium(II)-bis(diaminocarbene) complex. 2019 , 234, 155-164	7
483	On the cationic capabilities of small all sp ² -carbon host structures. Evaluation of [6.8]3cyclacene from relativistic DFT calculations. 2019 , 119, e25811	5
482	Aqua mediated multicomponent reaction under phase transfer catalysis: A novel and green approach to access fused pyrazoles. 2019 , 12, 3254-3262	1
481	Die chemischen Grundlagen der Adhäsion von Catechol. 2019 , 131, 706-725	22
480	The Chemistry behind Catechol-Based Adhesion. 2019 , 58, 696-714	293
479	Tunable fluorescent pyrene/diarylethene-based bistable [3]rotaxane. 2020 , 172, 107800	8
478	Comparison of the stability of thymine tautomers and the interaction of its tautomers with Na ⁺ , K ⁺ , Mg ²⁺ and Ca ²⁺ in gas and solvent phases. 2020 , 118, e1636150	
477	Nucleotide Binding Modes in a Motor Protein Revealed by P- and H-Detected MAS Solid-State NMR Spectroscopy. 2020 , 21, 324-330	10
476	Advances in Computational Intelligence. 2020 ,	1
475	Ab initio study of aerogen-bonds between some heterocyclic compounds of benzene with the noble gas elements (Ne, Ar, and Kr). 2020 , 31, 435-445	2
474	One-pot three-component synthesis of chromeno [2,3-d] pyrimidine derivatives: Novel, simple, and efficient electrochemical approach. 2020 , 57, 39-49	2
473	Silver Triflate/N-Fluorobenzenesulfonimide-Catalyzed Cycloisomerization of Tryptamine-Ynamide to Spiro[indoline-3,4'-piperidine] Induced by Cation- π Interactions between Substrate and Metal Ligand. 2020 , 362, 192-205	7

472	Alkali and Alkaline-Earth Cations in Complexes with Small Bioorganic Ligands: Ab Initio Benchmark Calculations and Bond Energy Decomposition. 2020 , 21, 99-112	4
471	Influence of the surface decoration of phosphorene with Ag nanoclusters on gas sensing properties. 2020 , 504, 144374	8
470	Drude polarizable force field for cation- π Interactions of alkali and quaternary ammonium ions with aromatic amino acid side chains. 2020 , 41, 472-481	7
469	Unprecedented toughening high-performance polyhexahydrotriazines constructed by incorporating point-face cation- π Interactions in covalently crosslinked networks and the visual detection of tensile strength. 2020 , 56, 1054-1057	9
468	Residual Participation and Thermodynamic Stability Due to Molecular Interactions in IL11, IL11R β and Gp130 from Homo sapiens: An In Silico Outlook for IL11 as a Therapeutic Remedy. 2020 , 26, 2009-2020	1
467	Templating colloidal sieves for tuning nanotube surface interactions and optical sensor responses. 2020 , 565, 55-62	6
466	Role of aquifer media in determining the fate of polycyclic aromatic hydrocarbons in the natural water and sediments along the lower Ganges river basin. 2020 , 55, 354-373	6
465	Straightforward synthesis, spectroscopic characterizations and comprehensive DFT calculations of novel 1-ester 4-sulfonamide-1,2,3-triazole scaffolds. 2020 , 1203, 127405	11
464	Mammalian iron-sulfur cluster biogenesis: Recent insights into the roles of frataxin, acyl carrier protein and ATPase-mediated transfer to recipient proteins. 2020 , 55, 34-44	30
463	Design and Synthesis of a Reduced Graphene Oxide/Patronite Composite with Enhanced Lithium-Ion Storage Performance. 2020 , 12, 5775-5785	5
462	High Uptake and Fast Transportation of LiPF ₆ in a Porous Aromatic Framework for Solid-State Li-Ion Batteries. 2020 , 132, 779-784	6
461	High Uptake and Fast Transportation of LiPF in a Porous Aromatic Framework for Solid-State Li-Ion Batteries. 2020 , 59, 769-774	16
460	Combining Free Energy Simulations and NMR Chemical-Shift Perturbation To Identify Transient Cation- π Contacts in Proteins. 2020 , 60, 890-897	2
459	Micellization and Adsorption to Carbon Black of Polyisobutylene-Based Ionic Liquids. 2020 , 58, 280-299	1
458	Indole-based high-performance polymeric materials with enhanced mechanical and thermal properties via cation- π Interaction. 2020 , 32, 662-668	1
457	Explicit Representation of Cation- π Interactions in Force Fields with 1/ Nonbonded Terms. 2020 , 16, 7184-7194	12
456	Supramolecular assemblies involving salt bridges: DFT and X-ray evidence of bipolarity. 2020 , 22, 8171-8181	8
455	Metal-cation-modified graphene oxide membranes for water permeation. 2020 , 170, 646-657	14

454	Potential for Ladderane (Bio)synthesis from Oligo-Cyclopropane Precursors. 2020 , 5, 26134-26140	0
453	Adsorption Characteristics of Tetracycline onto Biochars as Affected by Solution Chemistry Conditions and Ball Milling Treatment. 2020 , 231, 1	4
452	Guanidinium binding to proteins: The intriguing effects on the D1 and D2 domains of <i>Thermotoga maritima</i> Arginine Binding Protein and a comprehensive analysis of the Protein Data Bank. 2020 , 163, 375-385	3
451	Noncovalent Interactions in N-Heterocyclic Chemistry. 2020 , 767-787	
450	Determination of benzomercaptans in environmental complex samples by combining zeolitic imidazolate framework-8-based solid-phase extraction and high-performance liquid chromatography with UV detection. 2020 , 1631, 461580	7
449	Effects of electrostatic drag on the velocity of hydrogen migration - pre- and post-transition state enthalpy/entropy compensation. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 26955-26960	3.6 0
448	Systematic Evaluation of Different Coating Chemistries Used in Thin-Film Microextraction. 2020 , 25,	4
447	In-vitro prediction of the membranotropic action of emerging organic contaminants using a liposome-based multidisciplinary approach. 2020 , 738, 140096	1
446	Structures of metabotropic GABA receptor. 2020 , 584, 310-314	34
445	Theoretical investigation on the non-covalent interactions of acetaminophen complex in different solvents: study of the enhancing effect of the cation- π interaction on the intramolecular hydrogen bond. 2020 , 139, 1	7
444	Evaluating the involvement of tryptophan on thiolated peptide-mercury(II) complexes: Cation- π interactions. 2020 , 506, 119552	5
443	Cation- π Interactions of inorganic benzenes with Li, Na, and Mg cations: Theoretical insights. 2020 , 118, 108043	4
442	Benzylic Methylene Functionalizations of Diarylmethanes. 2020 , 15, 3135-3161	7
441	Non-covalent sulfoxide-(nitrosyl group) interactions involving coordinated nitrosyl in a Ru(II) nitrosyl complex with an η^2 -diimine ligand: structural and computational studies. 2020 , 22, 7532-7537	1
440	Nanomolar detection of sulfide ions using halo-substituted subphthalocyanines via anion- π non-covalent interaction. 2020 , 324, 128746	3
439	Discriminative Behavior of a Donor-Acceptor-Donor Triad toward Cyanide and Fluoride: Insights into the Mechanism of Naphthalene Diimide Reduction by Cyanide and Fluoride. 2020 , 59, 13371-13382	4
438	Catalytic Direct Construction of Cyano-tetrazoles. 2020 , 22, 7762-7767	7
437	Controlled Natural Biomass Deoxygenation Allows the Design of Reusable Hot-Melt Adhesives Acting in a Multiple Oxygen Binding Mode. 2020 , 12, 45394-45403	6

436	Crystallographic characterization of the metal-organic framework Fe(bdp) upon reductive cation insertion. 2020 , 11, 9173-9180	6
435	Helically shaped cation receptor: design, synthesis, characterisation and first application to ion transport.. 2020 , 10, 31670-31679	0
434	More Than π -Stacking: Contribution of Amide- π and CH- π Interactions to Crotonyllysine Binding by the AF9 YEATS Domain. 2020 , 142, 17048-17056	8
433	A simpler method affords evaluation of π -stabilization by phenylalanine of several biochemical carbocations. 2020 , 18, 7597-7607	
432	From Heteroditopic to Multitopic Receptors for Ion-Pair Recognition: Advances in Receptor Design and Applications. 2020 , 85, 1824-1841	13
431	Exploring Cocrystallized Aromatic Cage Binders to Target Histone Methylation Reader Proteins. 2020 , 60, 5225-5233	3
430	Formation of Excimers in Isoquinolinyl Pyrazolate Pt(II) Complexes: Role of Cooperativity Effects. 2020 , 59, 18253-18263	8
429	Coordination and Solvation in Gas-Phase Ag(CH) Complexes Studied with Selected-Ion Infrared Spectroscopy. 2020 , 124, 8562-8573	6
428	Gating-related Structural Dynamics of the MgtE Magnesium Channel in Membrane-Mimetics Utilizing Site-Directed Tryptophan Fluorescence. 2021 , 433, 166691	6
427	Hybrid Boron-Carbon Chemistry. 2020 , 25,	1
426	Thermodynamic and Kinetic Control Determine the Sesquiterpene Reaction Pathways Inside Nanocapsules. 2020 , 10, 6843-6853	5
425	Ionic Liquid-Assisted Anchoring SnO ₂ Nanoparticles on Carbon Nanotubes as Highly Cyclable Anode of Lithium Ion Batteries. 2020 , 7, 1901916	11
424	Mussel-inspired hydrogels: from design principles to promising applications. 2020 , 49, 3605-3637	153
423	Supramolecular solvents in separation and preconcentration of organic and inorganic species. 2020 , 319-346	
422	Mechanism of Color and Photoacidity Tuning for the Protonated Green Fluorescent Protein Chromophore. 2020 , 142, 11032-11041	10
421	A Photoprotective Effect by Cation- π Interaction? Quenching of Singlet Oxygen by an Indole Cation- π Model System. 2020 , 96, 1200-1207	0
420	Cation effects on dynamics of ligand-benzylated formazanate boron and aluminium complexes. 2020 , 49, 9094-9098	1
419	In Silico Design of Cylindrophanes: The Role of Functional Groups in a Fluoride Selective Host. 2020 , 21, 1989-2005	3

4 ¹⁸	A Spectroscopic Study of Xanthene Dyes on a Polystyrene Surface: an Investigation of Ion-Ion Interactions at Polymer Interfaces. 2020 , 30, 811-818	0
4 ¹⁷	Mechanism of biomolecular recognition of trimethyllysine by the fluorinated aromatic cage of KDM5A PHD3 finger. 2020 , 3,	4
4 ¹⁶	Hole Hopping through Cytochrome P450. 2020 , 124, 3065-3073	2
4 ¹⁵	Metal ions modulation of the self-assembly of short peptide conjugated nonsteroidal anti-inflammatory drugs (NSAIDs). 2020 , 12, 7960-7968	10
4 ¹⁴	Ion-gated carbon molecular sieve gas separation membranes. 2020 , 604, 118013	9
4 ¹³	A Double Cation-Driven Strategy Enabling Two-Dimensional Supramolecular Polymers as Efficient Catalyst Carriers. 2020 , 59, 9534-9541	13
4 ¹²	Mechanochemical synthesis of fluorescein-based receptor for CN ion detection in aqueous solution and cigarette smoke residue. 2020 , 412, 3177-3186	2
4 ¹¹	Attracting Opposites: Promiscuous Ion-Binding in the Nucleobases. 2020 , 124, 4128-4140	3
4 ¹⁰	Thermodynamic consequences of Tyr to Trp mutations in the cation-mediated binding of trimethyllysine by the HP1 chromodomain. 2020 , 11, 3495-3500	2
4 ⁰⁹	Cation-Interaction Induced Excimer Formation: A New Strategy for High-Efficiency Organic Solid-State Luminescence. 2020 , 8, 2000125	7
4 ⁰⁸	Adipato bridged novel hexanuclear Cu(ii) and polymeric Co(ii) coordination compounds involving cooperative supramolecular assemblies and encapsulated guest water clusters in a square grid host: antiproliferative evaluation and theoretical studies. 2020 , 49, 9863-9881	19
4 ⁰⁷	Bioremediation potential of Cd by transgenic yeast expressing a metallothionein gene from <i>Populus trichocarpa</i> . 2020 , 202, 110917	8
4 ⁰⁶	An accurate single descriptor for ion-Ion interactions. 2020 , 7, 1036-1045	6
4 ⁰⁵	Amphiphilic Porphyrin Aggregates: A DFT Investigation. 2019 , 25,	2
4 ⁰⁴	Solubility and Thermodynamic Properties of Ammonium-Based Gemini Ionic Liquids in Pure Solvents. 2020 , 49, 145-165	
4 ⁰³	Theoretical investigation of the record 7Li-NMR chemical shift in new sandwich-like aggregates of corannulene. 2020 , 139, 1	
4 ⁰²	Controlling the Coffee Ring Effect on Graphene and Polymer by Cations. 2020 , 37, 028103	5
4 ⁰¹	Selectivity mechanism of magnesium and calcium in cation-binding pocket structures of phosphotyrosine. 2020 , 101, 022410	0

400	Urea-aromatic interactions in biology. 2020 , 12, 65-84		5
399	Cation- π -binding ability of BN indole. 2020 , 56, 3749-3752		8
398	The nido-Cage- π -Bond: A Non-covalent Interaction between Boron Clusters and Aromatic Rings and Its Applications. 2020 , 132, 9103-9110		4
397	The nido-Cage- π -Bond: A Non-covalent Interaction between Boron Clusters and Aromatic Rings and Its Applications. 2020 , 59, 9018-9025		15
396	Field-enhanced selectivity in nanoconfined ionic transport. 2020 , 12, 6512-6521		5
395	Hydrazone- π -aromatic interaction: the vital role in molecular self-assembly of benzaldehyde hydrazones. 2020 , 22, 1691-1694		2
394	Photo-Ni-Dual-Catalytic C(sp ²)-C(sp ³) Cross-Coupling Reactions with Mesoporous Graphitic Carbon Nitride as a Heterogeneous Organic Semiconductor Photocatalyst. 2020 , 10, 3526-3532		35
393	Property-Activity Relationship of Black Phosphorus at the Nano-Bio Interface: From Molecules to Organisms. <i>Chemical Reviews</i> , 2020 , 120, 2288-2346	68.1	73
392	A highly selective fluorescent chemosensor probe for detection of Fe ³⁺ and Ag ⁺ based on supramolecular assembly of cucurbit[10]uril with a pyrene derivative. 2020 , 176, 108235		23
391	Highly enhancing the interfacial strength of CF/PEEK composites by introducing PAIK onto diazonium functionalized carbon fibers. 2020 , 510, 145400		32
390	(Isocyano group)- π -lone pair interactions involving coordinated isocyanides: experimental, theoretical and CSD studies. 2020 , 22, 1154-1159		11
389	Ion Permeability and Selectivity in Composite Nanochannels: Engineering through the End Effects. 2020 , 124, 4890-4898		15
388	A high-strength and healable shape memory supramolecular polymer based on pyrene-naphthalene diimide complexes. 2020 , 190, 122228		8
387	Coordination induced electron redistribution to achieve highly reversible Li-ion insertion chemistry in metal-organic frameworks. 2020 , 56, 6424-6427		3
386	5'-Hydroxymethyl fluorescein: A colorimetric chemosensor for naked-eye sensing of cyanide ion in a biological fluid. 2020 , 238, 118419		9
385	Carbocation versus Carbene Controlled Chemoselectivity: DFT Study on Gold- and Silver-Catalyzed Alkylation/Cyclopropanation of Indoles with Vinyl Diazoesters. 2020 , 22, 4043-4048		10
384	Cation- π Interactions in Graphene-Containing Systems for Water Treatment and Beyond. <i>Advanced Materials</i> , 2020 , 32, e1905756	24	43
383	Photoredox-Catalyzed Isomerization of Highly Substituted Allylic Alcohols by C-H Bond Activation. 2020 , 59, 11660-11668		10

382	Ion transfer voltammetry at the interface of water and low dielectric constant organic solutions. 2020 , 343, 136069	0
381	A knowledge-based scoring function to assess quaternary associations of proteins. 2020 , 36, 3739-3748	4
380	Purine tautomeric preferences and bond-length alternation in relation with protonation-deprotonation and alkali metal cationization. 2020 , 26, 93	1
379	Supramolecular association of M ₂ +?Induced by different electrostatic properties using naphthyl substituted β -diketonate complexes (metal = Cu, Pd, Pt). 2020 , 22, 3090-3094	8
378	A Double Cation-Driven Strategy Enabling Two-Dimensional Supramolecular Polymers as Efficient Catalyst Carriers. 2020 , 132, 9621-9628	2
377	Photoredox-Catalyzed Isomerization of Highly Substituted Allylic Alcohols by C-H Bond Activation. 2020 , 132, 11757-11765	3
376	General synthesis of unnatural 4-, 5-, 6-, and 7-bromo-d-tryptophans by means of a regioselective indole alkylation. 2020 , 61, 151923	2
375	Benchmarking Cation-Interactions: Assessment of Density Functional Theory and Møller-Plesset Second-Order Perturbation Theory Calculations with Optimized Basis Sets (mp2) for Complexes of Benzene, Phenol, and Catechol with Na, K, Rb, and Cs. 2020 , 124, 3445-3459	12
374	Computational insight into the halogen bonded self-assembly of hexa-coordinated metalloporphyrins. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 11558-11566	3.6 6
373	The effect of ligand design on the structural and photophysical properties of Nd(III) complexes with Schiff bases of the [(phenylimino)methyl]phenol-type. 2020 , 73, 1055-1076	1
372	Cation-Interactions in organic crystals. 2020 , 415, 213301	14
371	In situ quantitative determination of the intermolecular attraction between amines and a graphene surface using atomic force microscopy. 2021 , 581, 385-395	9
370	Layer-by-layer self-assembled covalent triazine framework/electrical conductive polymer functional separator for Li-S battery. 2021 , 404, 127044	12
369	Synthesis, structural, thermal, photophysical and vibrational spectroscopic studies of potassium-polynitrile based 3D coordination polymer. 2021 , 246, 118958	1
368	On the formation of sandwich complexes of aromatic inorganic linker: A DFT-D3 approach. 2021 , 194, 114911	1
367	Reversibly Photo-Modulating Mechanical Stiffness and Toughness of Bioengineered Protein Fibers. 2021 , 133, 3259-3265	3
366	Green tea extract EGCG plays a dual role in A β protofibril disruption and membrane protection: A molecular dynamic study. 2021 , 234, 105024	5
365	Predictive QM/MM Modeling of Modulations in Protein-Protein Binding by Lysine Methylation. 2021 , 433, 166745	3

- 364 N,N-Dialkylhydrazones as Versatile Umpolung Reagents in Enantioselective Anion-Binding Catalysis. **2021**, 60, 5102-5107 10
- 363 Tunable Lower Critical Solution Temperature of Poly(butyl acrylate) in Ionic Liquid Blends. **2021**, 39, 585-591 0
- 362 Supramolecular architectures sustained by delocalised Cπ(arene) interactions in molecular crystals and the propensity of their formation. **2021**, 23, 904-928 4
- 361 N,N-Dialkylhydrazones as Versatile Umpolung Reagents in Enantioselective Anion-Binding Catalysis. **2021**, 133, 5162-5167 0
- 360 Reversibly Photo-Modulating Mechanical Stiffness and Toughness of Bioengineered Protein Fibers. **2021**, 60, 3222-3228 12
- 359 NCIPLLOT and the analysis of noncovalent interactions using the reduced density gradient. **2021**, 11, e1497 18
- 358 Calcium Hydroxide Effect in Degradation of Aqueous Naphthalene: Nucleophilic Substitution of Hydrogen at the C(sp²)H Bond. **2021**, 41, 841-850 1
- 357 Mechanism, kinetics and selectivity of a Williamson ether synthesis: elucidation under different reaction conditions. 2
- 356 Mechanisms of melatonin binding and destabilizing the protofilament and filament of tau R3-R4 domains revealed by molecular dynamics simulation. *Physical Chemistry Chemical Physics*, **2021**, 23, 20613-20625 3.6
- 355 Effect of noncovalent interactions in ion pairs on hypervalent iodines: inversion of regioselectivity in sulfonyloxylactonization. **2021**, 8, 3695-3704 3
- 354 Contribution of nitrogen configurations to the adsorption of Cd(II) in nitrogen-enriched biochar. **2021**, 45, 12669-12677 1
- 353 Hydrogen adsorption on inorganic benzenes decorated with alkali metal cations: theoretical study. *Physical Chemistry Chemical Physics*, **2021**, 23, 5315-5324 3.6 6
- 352 The interaction of M-BZ, M((hbox {H}_{2})hbox {O})-BZ, M-2BZ and M((hbox {H}_{2})hbox {O})-2BZ ((hbox {M} = hbox {Li}^{+}), (hbox {Na}^{+}), (hbox {K}^{+}), (hbox {Mg}^{2+}), (hbox {Ca}^{2+})): EDA and ETS-NOCV approaches. **2021**, 75, 1 0
- 351 Exploring Non-covalent Interactions by Jet-Cooled Electronic and Vibrational Spectroscopy. **2021**, 57-86 1
- 350 First-principles study of a 2-dimensional C-silicyne monolayer as a promising anode in Na/K ion secondary batteries. *Physical Chemistry Chemical Physics*, **2021**, 23, 11755-11763 3.6 4
- 349 Functional two-dimensional black phosphorus nanostructures towards next-generation devices. 16
- 348 Classical targets in drug discovery. **2021**, 111-183
- 347 C-H and C-F coordination of arenes in neutral alkaline earth metal complexes. **2021**, 50, 8685-8689 0

346	Theoretical study on the interaction of phenylalanine with group IA (Li ⁺ , Na ⁺ , K ⁺) and IIA (Be ²⁺ , Mg ²⁺ , Ca ²⁺) metal cations. 2021 , 68, 1002	1
345	Associative Phase Separation of Aqueous Conjugated Polyelectrolytes Couples Photophysical and Mechanical Properties. 2021 , 33, 1116-1129	7
344	Spectroscopic Signatures and the Cation-Interaction in Conformational Preferences of the Neurotransmitter Dopamine in Aqueous Solution. 2021 , 12, 613-625	2
343	Clauansine F-Donepezil Hybrids as Anti-Alzheimer's Disease Agents with Cholinergic, Free-Radical Scavenging, and Neuroprotective Activities. 2021 , 26,	0
342	Aromphlicity Index of Amino Acids: Molecular Dynamics Simulations of the Protein Binding Affinity for Carbon Nanomaterials. 2021 , 4, 2486-2495	12
341	Syntheses and solid-state structures of two cofacial (bis)dipyrrin dichromium complexes in different charge states. 2021 , 77, 161-166	1
340	Dynamic effects on organic reactivity Pathways to (and from) discomfort. 2021 , 34, e4202	1
339	Helical Self-Organizations and Emerging Functions in Architectures, Biological and Synthetic Macromolecules. 2021 , 94, 900-928	29
338	Stable cation-controlled reduced graphene oxide membranes for improved NaCl rejection. 2021 , 621, 118995	15
337	Dynamic Effects in Intramolecular Schmidt Reactions: Entropy, Electrostatic Drag, and Selectivity Prediction. 2021 , 22, 649-656	1
336	Thiazole-Linked Covalent Organic Framework Promoting Fast Two-Electron Transfer for Lithium-Organic Batteries. 2021 , 11, 2003735	17
335	Emergent behavior in nanoconfined molecular containers. 2021 , 7, 919-947	23
334	Density functional theory study of the interplay between cation and intramolecular hydrogen bonding interactions in complexes involving methyl salicylate with Li ⁺ , Na ⁺ , K ⁺ , Be ²⁺ , Mg ²⁺ , Ca ²⁺ cations. 2021 , 1198, 113172	9
333	Two Faces of Amine-Catechol Pair Synergy in Underwater Cation-Interactions. 2021 , 33, 3196-3206	7
332	Engineering Hydrogel Adhesion for Biomedical Applications via Chemical Design of the Junction. 2021 , 7, 4048-4076	19
331	Solid solution of semiconducting contorted small molecules for high-performance Li/Na-ion host electrodes. 2021 , 36, 123-131	2
330	Interaction of the lithium cation with [2.2.2]paracyclophane: Experimental and theoretical study. 2021 , 1232, 130026	1
329	Toughening rigid thermoset films via molecular enforced integration of covalent crosslinking and multiple supramolecular interactions. 2021 , 59, 1446-1455	0

328	Simultaneously improving the ductility and strength of aromatic thermoset films. 095400832110171	
327	Structure of Phycobilisomes. 2021 , 50, 53-72	7
326	Evaluating mutual influences of cation- π interactions and H-bonding: Cases of indole and BN-indole. 2021 , 200, 115131	1
325	Ultra-strong bio-glue from genetically engineered polypeptides. 2021 , 12, 3613	32
324	Exploiting Anion- π Interactions for Efficient and Selective Catalysis with Chiral Molecular Cages. 2021 , 60, 20650-20655	8
323	3D Interaction Homology: Hydrophobic Analyses of the " π Cation" and " π " Interaction Motifs in Phenylalanine, Tyrosine, and Tryptophan Residues. 2021 , 61, 2937-2956	5
322	Exploiting Anion- π Interactions for Efficient and Selective Catalysis with Chiral Molecular Cages. 2021 , 133, 20818-20823	1
321	Total Synthesis and Bioactivity Mapping of Geodiamolide H. 2021 , 27, 11633-11642	3
320	Methyl-Induced Polarization Destabilizes the Noncovalent Interactions of N-Methylated Lysines. 2021 , 27, 11005-11014	1
319	A Case Study in Catalyst Generality: Simultaneous, Highly-Enantioselective Brønsted- and Lewis-Acid Mechanisms in Hydrogen-Bond-Donor Catalyzed Oxetane Openings. 2021 , 143, 9585-9594	7
318	Water and the Cation- π Interaction. 2021 , 143, 12397-12403	5
317	Introducing Intermolecular Cation- π Interactions for Water-Stable Low Dimensional Hybrid Lead Halide Perovskites. 2021 , 133, 18413-18419	0
316	DFT calculation of the interplay effects between cation- π and intramolecular hydrogen bond interactions of mesalazine drug with selected transition metal ions (Mn ⁺ , Fe ²⁺ , Co ⁺ , Ni ²⁺ , Cu ⁺ , Zn ²⁺). 2021 , 140, 1	2
315	One-Component Multifunctional Sequence-Defined Ionizable Amphiphilic Janus Dendrimer Delivery Systems for mRNA. 2021 , 143, 12315-12327	19
314	Aromatic interactions in Glycochemistry: from molecular recognition to catalysis. 2021 ,	0
313	Spectroscopic and Theoretical Studies of Hg(II) Complexation with Some DicysteinyI Tetrapeptides. 2021 , 2021, 9911474	
312	Introducing Intermolecular Cation- π Interactions for Water-Stable Low Dimensional Hybrid Lead Halide Perovskites. 2021 , 60, 18265-18271	18
311	The Stabilized Iminium Catalyzed (E)-Polyene Cyclization: Trapping of Non-Activated Terminating Groups Enabled by Cation- π Interactions.	2

310	Evaluation of in-vivo model for vitamin A bioavailability from vitamin A loaded caseinate complex. 2021 , 42, 101174	2
309	Role of PhOH and Tyrosine in Selective Oxidation of Hydrocarbons. 2021 , 11, 1032	1
308	Cation-Induced surface cleavage of organic pollutants with OH formation from HO for water treatment. 2021 , 24, 102874	6
307	Emerging nanomaterials for improved biosensing. 2021 , 16, 100050	9
306	Thermodynamics of mixtures containing a fluorinated benzene and a hydrocarbon. 2021 , 335, 116506	1
305	Efficient Entropy-Driven Inhibition of Dipeptidyl Peptidase III by Hydroxyethylene Transition-State Peptidomimetics. 2021 , 27, 14108-14120	3
304	Strategies and Applications for Improving the Stability of Black Phosphorus in Physical Environment. 2021 , 23, 2100450	3
303	Interaction of Ag ⁺ with corannulene: Experimental and theoretical study. 2021 , 777, 138733	
302	Dithiolated peptides incorporating bis(tryptophan)s for cooperative mercury(II) binding. 2021 , 44, 116296	
301	Syntheses, Structures, Reactivities, and Basicities of Quinolinyl and Isoquinolinyl Complexes of an Electron Rich Chiral Rhenium Fragment and Their Electrophilic Addition Products. 2021 , 27, 13399-13417	0
300	Tryptophan, an Amino-Acid Endowed with Unique Properties and Its Many Roles in Membrane Proteins. 2021 , 11, 1032	2
299	Electrospinnable, Neutral Coacervates for Facile Preparation of Solid Phenolic Bioadhesives. 2021 , 13, 37989-37996	0
298	Structures of ABCB4 provide insight into phosphatidylcholine translocation. 2021 , 118,	4
297	Impacts of pyrolysis temperature on lead adsorption by cotton stalk-derived biochar and related mechanisms. 2021 , 9, 105602	14
296	Effect of phase selective wetting of hybrid filler on the self-healing properties of rubber blends. 2021 , 231, 124146	1
295	Face Promoted Catalysis in Water: From Electron-deficient Molecular Cages to Single Aromatic Slides. 2021 , 16, 3599-3603	0
294	Effective tetracycline removal from liquid streams of dairy manure via hierarchical poly (vinyl alcohol-co-ethylene)/polyaniline metal complex nanofibrous membranes. 2021 , 597, 9-20	2
293	Contribution of hydrogen bonding to liquid-phase adsorptive removal of hazardous organics with metal-organic framework-based materials. 2021 , 430, 132596	15

292	Exploration of the Cs Trapping Phenomenon by Combining Graphene Oxide with β -KPWO as Nanocomposite. 2021 , 14,	0
291	Improved pH-Responsive Release of Phenformin from Low-Defect Graphene Compared to Graphene Oxide. 2021 , 6, 24619-24629	0
290	A perspective on the nature of cation- π Interactions. 2021 , 133, 1	1
289	Noncovalent interactions in catechol/ammonium-rich adhesive motifs: Reassessing the role of cation- π complexes?. 2021 , 779, 138815	1
288	Deciphering the competitive inhibition of dihydropteroate synthase by 8 mercaptoguanine analogs: enhanced potency in phenylsulfonyl fragments. 2021 , 1-20	0
287	Robust reduced graphene oxide membranes with high water permeance enhanced by K ⁺ modification. 2021 , 635, 119437	7
286	Head-to-Tail interlocking aromatic rings of a hydrazine functionalized Schiff base for the development of Nano-aggregates with blue emission: Structural and spectroscopic characteristics. 2021 , 340, 117193	2
285	Autonomous magnetic microbots for environmental remediation developed by organic waste derived carbon dots. 2021 , 297, 113322	1
284	Synergistic effect of Cu-nanoparticles and β -cyclodextrin functionalized reduced graphene oxide nanocomposite on the adsorptive remediation of tetracycline antibiotics. 2021 , 273, 118528	4
283	N-substituted sumanene and cation- π Interactions towards Li cations: A theoretical study. 2022 , 135, 114949	2
282	Synthesis, structural characterization, and bonding analysis of two-coordinate copper(I) and silver(I) complexes of pyrrole-based bis(phosphinimine): new metal-pyrrole ring π Interactions. 2021 , 50, 8036-8044	2
281	Design, Synthesis, Evaluation and Molecular Docking Studies of Novel Triazole Linked 1,4-Dihydropyridine-isatin Scaffolds as Potent Anticancer Agents. 2021 , 6, 717-725	4
280	A comparative study of interplay effects between the cation- π and intramolecular hydrogen bond interactions in the various complexes of methyl salicylate with Mn ⁺ , Fe ²⁺ , Co ⁺ , Ni ²⁺ , Cu ⁺ , and Zn ²⁺ cations. 2021 , 32, 1529-1539	2
279	Molecular mechanisms of resveratrol and EGCG in the inhibition of A β aggregation and disruption of A β protofibril: similarities and differences. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 18843-18854 ^{3.6}	4
278	Host-guest binding in water, salty water, and biofluids: general lessons for synthetic, bio-targeted molecular recognition. 2021 , 50, 4812-4832	12
277	Dual acting oximes designed for therapeutic decontamination of reactive organophosphates catalytic inactivation and acetylcholinesterase reactivation. 2021 , 12, 1592-1603	0
276	Crystal engineering of coordination networks: then and now. 2021 , 17-60	
275	Contributions of methionine to recognition of trimethyllysine in aromatic cage of PHD domains: implications of polarizability, hydrophobicity, and charge on binding. 2021 , 12, 8900-8908	0

274	Hydrated cation-π Interactions of π Electrons with hydrated Li, Na, and K cations. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 14662-14670	3.6	3
273	Bonding and Bonding Perturbation in Ion-molecule Interactions in the Gas Phase.		2
272	Cationic Transition Metal Arene Interactions.		2
271	Crystal Engineering.		1
270	Structure and Mechanism of Monoamine Oxidase.		3
269	Hybrid (Nano)Materials Meet Supramolecular Chemistry: A Brief Introduction to Basic Terms and Concepts. 1-10		1
268	A Microcosm of Wet Adhesion: Dissecting Protein Interactions in Mussel Attachment Plaques. 319-349		3
267	Crown Ethers Derived from Calix[4]arenes. 2001 , 365-384		4
266	Ligand macromolecule interactions: theoretical principles of molecular recognition. 2009 , 572, 13-29		4
265	The Pharmacophore Concept and Its Applications in Computer-Aided Drug Design. 2019 , 110, 99-141		17
264	Graphene and Its Modifications for Supercapacitor Applications. 2019 , 113-138		4
263	In Vivo Studies of Receptors and Ion Channels with Unnatural Amino Acids. 2009 , 231-254		3
262	A theoretical study of cation-π Interactions: Li ⁺ , Na ⁺ , K ⁺ , Be ²⁺ , Mg ²⁺ and Ca ²⁺ complexation with mono- and bicyclic ring-fused benzene derivatives. 2012 , 83-93		1
261	Water (H ₂ O) _m or Benzene (C ₆ H ₆) _n Aggregates to Solvate the K ⁺ ?. 2013 , 1-15		21
260	On Stacking. 2010 , 177-196		6
259	Application of Quantum Mechanics and Molecular Mechanics in Chemoinformatics. 2016 , 1-23		3
258	Inter- and intramolecular adhesion mechanisms of mussel foot proteins. 2020 , 63, 1675-1698		4
257	Alkaline Earth Organometallics. 2007 , 67-152		10

256	Pnictogen bonding in coordination chemistry. 2020 , 418, 213381	64
255	Recognition of anions using urea and thiourea substituted calixarenes: A density functional theory study of non-covalent interactions. 2018 , 501, 68-77	15
254	Effect of different ionic liquids on the dispersion and phase selective wetting of carbon nanotubes in rubber blends. 2016 , 105, 284-297	28
253	Supramolecular assemblies in natural and artificial ion channels. 2000 , 1-47	15
252	Cation- π Complexes of Silver Studied with Photodissociation and Velocity-Map Imaging. 2020 , 124, 9166-9176	7
251	Green Tea Extracts EGCG and EGC Display Distinct Mechanisms in Disrupting A β Protofibril. 2020 , 11, 1841-1851	32
250	Dynamic Kinetic Cross-Electrophile Arylation of Benzyl Alcohols by Nickel Catalysis. 2021 , 143, 513-523	39
249	Chapter 10: Graphene and 2D Materials Based Membranes for Water Treatment. 2018 , 211-224	1
248	CHAPTER 6: Onium Ion-assisted Organic Reactions Through Cation- π Interactions. 2019 , 137-152	1
247	Vapochromic crystals: understanding vapochromism from the perspective of crystal engineering. 2020 , 49, 1517-1544	91
246	The phenoxyl group-modulated interplay of cation- π and π - π interactions in the alkali metal series. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 27105-27120	3.6 5
245	Novel 2D CaCl crystals with metallicity, room-temperature ferromagnetism, heterojunction, piezoelectricity-like property and monovalent calcium ions. 2021 , 8, nwa274	4
244	A knowledge-based scoring function to assess the stability of quaternary protein assemblies.	3
243	The effect of cation- π interactions on the stability and electronic properties of anticancer drug Altrexamine: a theoretical study. 2020 , 76, 982-991	4
242	High-resolution structure of a Y27W mutant of the Dishevelled2 DIX domain. 2019 , 75, 116-122	5
241	Co-crystal structure, Hirshfeld surface analysis and DFT studies of 3,4-ethyl-ene-dioxy-thio-phenone solvated bis-[1,3-bis-(penta-fluoro-phen-yl)propane-1,3-dionato]copper(II). 2020 , 76, 820-825	1
240	Chemistry. Aromatic metal clusters. 2001 , 291, 841-2	41
239	Gaseous Ni ⁺ complexes with BINOL derivatives and chiral esters in the gas phase: an experimental and theoretical investigation. 2009 , 74, 255-273	1

- 238 Syntheses, characterization, and electrochemical behavior of alkylated 2-(2'-quinolyl)benzimidazole complexes of rhenium (I). **2018**, 96, 119-123 5
- 237 A small set of succinct signature patterns distinguishes Chinese and non-Chinese HIV-1 genomes. **2013**, 8, e58804 7
- 236 Tentative identification of the second substrate binding site in Arabidopsis phytochelatin synthase. **2013**, 8, e82675 5
- 235 Exploring Strong Interactions in Proteins with Quantum Chemistry and Examples of Their Applications in Drug Design. **2015**, 10, e0137113 28
- 234 Redox Activity of Copper(II) Complexes with NSFry Pentapeptide and Its Analogues. **2016**, 11, e0160256 2
- 233 Entrapment of Toxic Anions using Calixarenes Framework. **2017**, 3, 3
- 232 Molecular-level investigation of monoaromatic compound sorption to suspended soil particles by deuterium nuclear magnetic resonance. **2003**, 32, 232-9 6
- 231 Drug discovery toward antagonists of methyl-lysine binding proteins. **2011**, 5, 51-61 29
- 230 Scanning Mutagenesis Studies of the M₁ Muscarinic Acetylcholine Receptor. **2003**, 9, 215-228 11
- 229 Benzene Moiety of Alkylphenol Ethoxylates can be a Source of π -Stacking Interactions. **2009**, 46, 159-162 1
- 228 Heterocycles in Encapsulation and Assembly. **2000**, 52, 493 8
- 227 A Facile Synthesis of 2-Chloro-5,7-dihydro-pyrrolo[3,4-b]pyridine-6-carboxamide, an Annulated Nicotinoid. **2004**, 25, 924-926 3
- 226 Synthesis of Ene-ynamide Derivatives Starting from Baylis-Hillman Adducts: Isomerization with the Aid of π -Cation Interaction. **2005**, 26, 1443-1446 9
- 225 Ab initio Study of the Complexes of Trimethyl Ether of Monodeoxycalix[4]arene with Potassium Ion: Cation- π Interactions. **2006**, 27, 508-514 1
- 224 Al³⁺Selective Chemosensor: Pyrenyl Polyether Pentant Calix[4]arene. **2007**, 28, 151-154 11
- 223 Unusual Stability of Diastereomers of the Isomeric Pyridine-based Leuco-TAM Dyes 2,2'-(2-(Pyridin-4 or 3-yl)propane-1,3-diylidene)bis(5-chloro-1,3,3-trimethylindoline). **2012**, 33, 681-684 2
- 222 Synthesis and Color Modulation of an Unsymmetrical Calix[4]-bis-crown Incorporating p-Nitro-azobenzene as a Chromoionophoric Mixed Receptor. **2013**, 34, 1543-1546 2
- 221 Unsymmetrically Substituted Leuco-Triarylmethane Molecules Formed from the Reaction of a Fischer's Base and β,β -Unsaturated Iminium Salts via a Michael-Type Reaction. **2013**, 34, 1563-1566 1

- 220 Colorimetric Recognition based on Functional Phenolphthalein Derivatives. **2011**, 69, 266-277 1
- 219 Molecular self-assembly in indole-based benzamide derivative: Crystal structure, Hirshfeld surfaces and antimicrobial activity. **2017**, 8, 349-357 4
- 218 New inhibitors of VEGFR-2 targeting the extracellular domain dimerization process. **2011**, 7, 52-8 2
- 217 Arginine and Lysine interactions with Γ residues in metalloproteins. **2012**, 8, 820-6 3
- 216 Molecular modeling and docking of small molecule inhibitors against NEK2. **2016**, 12, 62-68 16
- 215 Specific Eph receptor-cytoplasmic effector signaling mediated by SAM-SAM domain interactions. **2018**, 7, 20
- 214 Macrocyclic host molecules with aromatic building blocks: the state of the art and progress. **2021**, 57, 12379-12405 4
- 213 First-Principles Modeling of Non-covalent Interactions in Molecular Systems and Extended Materials. **2022**, 71-124
- 212 Mixed Alkyl/Aryl Diphos Ligands for Iron-Catalyzed Negishi and Kumada Cross Coupling Towards the Synthesis of Diarylmethane. **2021**, 13, 5134 1
- 211 Synthesis of quaternary fluoroalkyl phosphonium salts with high thermal stability and their application as antibacterial agents for polycarbonate (PC). **2021**, 104, 107396
- 210 Trisubstituted 1,3,5-Triazines: The First Ligands of the sY12-Binding Pocket on Chemokine CXCL12. **2021**, 12, 1773-1782 1
- 209 Polyphosphazene and Non-Catechol-Based Antibacterial Injectable Hydrogel for Adhesion of Wet Tissues as Wound Dressing. **2021**, e2101421 5
- 208 Putting Anion- Γ Interactions at Work for Catalysis. **2021**, 2
- 207 Cobalt Coordinated Cyano Covalent-Organic Framework for High-Performance Potassium-Organic Batteries. **2021**, 13, 48913-48922 7
- 206 Optical consequences of chemistry at growing crystal interfaces. **2004**, 83-107
- 205 Nanostructural Architectures from Molecular Building Blocks. **2007**, 18-1-18-67
- 204 Poly[potassium- Γ -[2-(carboxymethyl)phenyl]acetato]. **2008**, 64, m1626 1
- 203 Nanoscale Mechanisms for Assembly of Biomaterials. **2009**, 43-75

- 202 Transport Mechanism in the Escherichia coli Ammonia Channel AmtB: A Computational Study. **2010**, 397-429
- 201 Chapter 2:Structural Biology in Polyamine Drug Discovery. **2011**, 28-49
- 200 Synthesis and Structural Characterization of Novel Anionic Thulium(III) Cyclic Organohydroborate Complex with Agostic Interactions $\{K[(\eta\text{-C}_6\text{H}_5\text{Me})_2]\{\text{Tm}[(\eta)\text{2}(\text{BC}_8\text{H}_{14})]_4\}$. **2011**, 32, 3790-3792
- 199 Exploration of conformations and quantum chemical investigation of l-tyrosine dimers, anions, cations and zwitterions: a DFT study. **2012**, 147-160
- 198 Strategies for the Manipulation of Carbocations by Aristolochene Synthase. **2012**, 171-183
- 197 Cation-Controlled Reorientation of Pyridine Derivatives in the Gas-Solid Reactions. **2013**, 55, 63-68
- 196 (Pyridine-2-aldoximate- (η) N,N')bis-[2-(pyridin-2-yl)phenyl- (η) C (1),N]iridium(III). **2013**, 69, m159 2
- 195 Liquid-Liquid phase separation in particles containing organics mixed with ammonium sulfate, ammonium bisulfate, ammonium nitrate or sodium chloride. 1
- 194 The Selective Catalytic Alkylarenes Oxidations to Hydro Peroxides with Dioxygen, Catalyzed with Nickel Complexes. **2013**, 1-21 1
- 193 Total Synthesis of Maoecrystal V. **2014**, 73-135
- 192 Combinatorial Approaches to Molecular Receptors for Chemosensors. **1999**, 334-353
- 191 An ultrastructural study of the cuticle in the byssus of marine mussel (*Mytilus coruscus*). **2014**, 6, 41-46
- 190 A Theoretical Approach to Ion-Molecule Complexation. **2015**, 41-81 0
- 189 Development of a Massively Parallel QM/MM Approach Combined with a Theory of Solutions. **2015**, 153-196
- 188 Dye-Fibre Interactions. 167-208
- 187 Catalytic Role of Dehydrons in Soluble Proteins: Biological Chemistry of Frustrated Interfacial Water. **2016**, 181-216
- 186 Interfacial water at microscopic level: from quasi-one-dimensional, two-dimensional confined space, to biomolecules surfaces and material surfaces. **2016**, 65, 186101 2
- 185 CHAPTER 8:Applications of Ionic Liquids in Organic Electronic Devices. **2017**, 196-233

- 184 Thermodynamics and Stability. **2017**, 127-139
- 183 Specific Eph Receptor-Cytoplasmic Effector Signaling Mediated by SAM-SAM Domain Interactions.
- 182 Quantum Mechanical Studies on the Mode of Hydrogen Bonding, Stability and Molecular Conformations of Phenol-Water Complexes. **2019**, 07, 59-71
- 181 CHAPTER 1:Noncovalent Interactions in C₆₀ Bond Functionalization. **2019**, 1-25 1
- 180 Structure-guided function discovery of an NRPS-like glycine betaine reductase for choline biosynthesis in fungi.
- 179 A Comprehensive Computational Study of Amino Acid Interactions in Membrane Proteins.
- 178 Residual Exploration into Apoptosis of Leukemic Cells Through Oncostatin M: A Computational Structural Oncologic Approach. **2020**, 327-341
- 177 Combining free energy simulations and NMR chemical-shift perturbation to identify transient cation- π contacts in proteins.
- 176 Recent Physical Interaction-based Bioadhesives. **2020**, 693-721
- 175 Catalytic Generation of Radicals in Supramolecular Systems with Acetylcholine. **2020**, 61, 786-793
- 174 Chemical Functionalization of 2D Black Phosphorus toward Its Applications in Energy Devices and Catalysis: A Review. 2100581 2
- 173 Deciphering the nature of ion-graphene interaction. **2020**, 2, 2
- 172 N⁺-C-H \cdots O Hydrogen Bonds in Protein-Ligand Complexes and their Application to Drug Design. **2020**, 78, 1151-1162
- 171 Cholinesterase from the Liver of Diodon hystrix for Detection of Metal Ions. **2020**, 28,
- 170 Hyper-crosslinked tetraphenylborate as a regenerable sorbent for Cs sequestration in aqueous media through cation- π interactions. **2021**, 288, 132501 0
- 169 Structures of metabotropic GABA_B receptor.
- 168 Alkane Dehydrogenation Catalyzed by a Fluorinated Phebox Iridium Complex. 14194-14209 0
- 167 The cation- π interaction: From structural biology to neuroreceptor binding sites. **2002**, 550-552

166	Ab-initio and Conformational Analysis of a Potent VEGFR-2 Inhibitor: A Case Study on Motesanib. 2014 , 13, 405-15	8
165	RP-HPTLC Retention Data in Correlation with the In-silico ADME Properties of a Series of s-triazine Derivatives. 2014 , 13, 1203-11	7
164	Adsorption and interaction forces of commercial Poly(naphthalene sulfonate) (PNS) and Poly(carboxylate ether) (PCE) polyelectrolytes with negatively charged surfaces in monovalent and divalent electrolytes. 2022 , 634, 127992	0
163	Scaling and Classification of Ion-Substrate Interaction.	
162	Enzymatic deamination of the epigenetic nucleoside N6-methyladenosine regulates gene expression. 2021 , 49, 12048-12068	0
161	Effect of FeO nanoparticles on the composition of montmorillonite and its sorption capacity for pyrene. 2021 , 813, 151893	3
160	NENCI-2021. I. A large benchmark database of non-equilibrium non-covalent interactions emphasizing close intermolecular contacts. 2021 , 155, 184303	3
159	Remediation of heavy metal contaminated soil: Role of biochar. 2021 , 7, 39-63	0
158	Modifying current thin-film microextraction (TFME) solutions for analyzing prohibited substances: Evaluating new coatings using liquid chromatography. 2022 ,	0
157	Systematic Variation of Both the Aromatic Cage and Dialkyllysine via GCE-SAR Reveal Mechanistic Insights in CBX5 Reader Protein Binding.. 2022 ,	1
156	Methyl group: A potential building block for edge-to-face interlocking of benzimidazole scaffolds in developing blue light emitting molecular aggregates. 2022 , 347, 118340	0
155	Controllable growth of flower-like hierarchical CoNiO nanoflakes anchored on Nitinol fiber substrate with good selectivity for highly efficient solid-phase microextraction of polycyclic aromatic hydrocarbons in water.. 2022 , 1192, 339371	2
154	Bioremediation of PAHs and heavy metals co-contaminated soils: Challenges and enhancement strategies.. 2021 , 295, 118686	11
153	Study of the alkyl- π interaction between methane and few substituted pyrimidine systems using DFT, AIM and NBO calculations. 2022 , 1208, 113560	2
152	Oxidized Forms of Ergothioneine Are Substrates for Mammalian Thioredoxin Reductase.. 2022 , 11,	2
151	Detection of weak non-covalent cation- π interactions in NGAL by single-molecule force spectroscopy.. 2022 , 15, 4251-4257	2
150	Promotion of TH (T = Si and Ge) group transfer within a tetrel bond by a cation- π interaction.. <i>Physical Chemistry Chemical Physics</i> , 2021 ,	3.6 1
149	Recent advances in the 3D printing of ionic electroactive polymers and core ionomeric materials. 2022 , 13, 456-473	2

148	Non-covalent interactions of graphene surface: Mechanisms and applications. 2022,	1
147	How neocarcerand Octacid4 self-assembles with guests into irreversible noncovalent complexes and what accelerates the assembly. 2022, 5,	
146	Theoretical investigation on the nature of substituted benzene?AuX interactions: covalent or noncovalent?.	
145	Interpretation of Structure-Activity Relationships in Real-World Drug Design Data Sets Using Explainable Artificial Intelligence.. 2022,	0
144	Comparative Analysis of Sulfonium- π Ammonium- π and Sulfur- π Interactions and Relevance to SAM-Dependent Methyltransferases.. 2022,	0
143	Simultaneous interaction of graphene nanoflakes with cations and anions: A cooperativity study. 2022, 1209, 113601	0
142	Removal of benzonitrile and carbazole from model green-diesel derived from microalgae using metal-organic frameworks with protonated amines. 2022, 435, 134910	0
141	Quantitative determination of cation- π Interactions between metal ions and aromatic groups in aqueous media by a hydrogel Donnan potential method.. <i>Physical Chemistry Chemical Physics</i> , 2022,	3.6
140	Formation of sandwich and multidecker complexes between O ₂ and alkali/alkaline earth metals: a DFT study. 2022, 46, 6677-6689	
139	Recent Advances in High-strength and High-toughness Polyurethanes Based on Supramolecular Interactions.	3
138	Investigations on the role of cation- π Interactions in active centers of superoxide dismutase. 2022, 13-13	0
137	Structural impact of thioamide incorporation into a π hairpin.	1
136	Removal of ions from produced water using Powder River Basin coal. 2022, 9, 1	0
135	Normal-Mode Vibrational Analysis of Weakly Bound Oligomers at Constrained Stationary Points of Arbitrary Order.. 2022,	
134	Visualizing protein breathing motions associated with aromatic ring flipping.. 2022,	2
133	Combining Excellent Selectivity with Broad Target Scope: Biosensing with Arrayed Deep Cavitand Hosts.. 2022,	3
132	Tough non-covalent adaptable networks: Cation- π Cross-linked rigid epoxy. 2022, 243, 124626	1
131	Nitrogen-doped biochars as adsorbents for mitigation of heavy metals and organics from water: a review. 2022, 4, 1	4

130	Principles of Cation- π Interactions for Engineering Mussel-Inspired Functional Materials.. 2022 ,	4
129	Prediction of the interaction strength of an urea-based probe toward ions in water by means of Density Functional Theory/Polarizable Continuum Model calculations.	1
128	Substituent effects in π -hole region bonding interactions between Au(p-X-Py) ₂ complexes and Lewis bases: an ab initio study.. 2022 ,	1
127	Smart Titanium Wire Used for the Evaluation of Hydrophobic/Hydrophilic Interaction by In-Tube Solid Phase Microextraction.. 2022 , 27,	2
126	Multistimuli responsive supramolecular polymer networks via host-guest complexation of pillararene-containing polymers and sulfonium salts. 2022 ,	1
125	Cesium Cation- π Interactions Stabilize Pyrogallol[4]arene Coordination Networks.	
124	When Molecules Meet in Water-Recent Contributions of Supramolecular Chemistry to the Understanding of Molecular Recognition Processes in Water.. 2022 , 11, e202200028	0
123	New Co-Crystals/Salts of Gallic Acid and Substituted Pyridines: An Effect of Ortho-Substituents on the Formation of an Acid-Pyridine Heterosynthone. 2022 , 12, 497	0
122	Donor-Acceptor Pyridinium Salts for Photo-Induced Electron-Transfer-Driven Modification of Tryptophan in Peptides, Proteins, and Proteomes Using Visible Light.. 2022 ,	1
121	Enhanced solution processing and optical properties of perhalogenated zinc-phthalocyanines via anion- π bonding. 2022 , 201, 110199	0
120	Thiazolothiazole based donor- π -acceptor fluorophore: Protonation/deprotonation triggered molecular switch, sensing and bio-imaging applications.. 2022 , 1206, 339776	1
119	Antifouling PVDF membranes fabricated via progressive potassium ion- π assembly of dopamine. 2022 , 589, 152973	0
118	The Aryl-Pyrrolidine- tert -Leucine Motif as a New Privileged Chiral Scaffold: The Role of Noncovalent Stabilizing Interactions. 2022 , 361-385	1
117	Theoretical Investigation of Carbon Dioxide Adsorption on Li-Decorated Nanoflakes.. 2021 , 26,	1
116	Clustering of Aromatic Amino Acid Residues around Methionine in Proteins.. 2021 , 12,	0
115	Force-Reversible and Energetic Indole-Mg-Indole Cation- π Interaction for Designing Toughened and Multifunctional High-Performance Thermosets. 2022 , 32, 2111021	2
114	Water-Soluble Cyclophanes Synthesized via the Zincke Reaction. 2021 ,	0
113	Si doped T-graphene: 2D Lattice as Anode electrode in Na Ion Secondary Batteries.	1

112	Cation- π Interactions between a noble metal and a polyfunctional aromatic ligand: Ag ⁺ (benzylamine).. 2022 ,	0
111	Development of a Therapeutic Peptide for Cachexia Suggests a Platform Approach for Drug-like Peptides.. 2022 , 5, 344-361	0
110	Hyaluronic Acid π Polyethyleneimine Nanogels for Controlled Drug Delivery in Cancer Treatment.	1
109	Supramolecular modulation of the mechanical properties of amino acid-functionalized cellulose nanocrystal films. 2022 , 24, 100886	1
108	Investigation of solid state architectures in tetrazolyl tryptophol stabilized by crucial aromatic interactions and hydrogen bonding: Experimental and theoretical analysis. 2022 , 1262, 133079	0
107	Probing Noncovalent Interactions in [3,3]Metaparacyclophanes.. 2022 ,	
106	Insight into non-covalent interactions in a [Cu(N3)4] ²⁻ bridged hetero-pentanuclear copper(II)/sodium complex with special emphasis on the strong CH \cdots [Cu(N3)4] interactions.	0
105	Synthetic Receptors Based on Abiotic Cyclo(pseudo)peptides.. 2022 , 27,	
104	Wet-adhesive materials of oral and maxillofacial region: From design to application. 2022 ,	0
103	Post-translational modifications in liquid-liquid phase separation: a comprehensive review.. 2022 , 3, 13	2
102	Metal Ion-Directed Functional Metal-Phenolic Materials.. <i>Chemical Reviews</i> , 2022 ,	68.1 15
101	Hierarchical Graphite Oxide Decorated UiO-66 for Ultrahigh Adsorption of Dye with Synergistic Effect of Ultrasonication: Experimental and Density Functional Theory Study. 2022 , 121217	0
100	Supercapacitance in graphene oxide materials modified with tetrapyrrole dyes: A mechanistic study.	0
99	The Role of Electrostatic Interaction in the Self-assembly of Macroions. 2022 , 55-84	
98	Glossary of terms used in physical organic chemistry (IUPAC Recommendations 2021). 2022 , 94, 353-534	4
97	Metal-catalysed C \equiv H bond activation and borylation.	14
96	The passage of alkali metal cations through the pores in phenine and N-doped phenine nanotubes. 2022 , 31, 102083	
95	Modulating the Adsorption Orientation of Methionine-rich Laccase by Tailoring the Surface Chemistry of Single-walled Carbon Nanotubes. 2022 , 112660	0

94	Recent Advances in the Applications of Water-soluble Resorcinarene-based Deep Cavitands. 2022 , 11,		0
93	RNABPDB: Molecular Modeling of RNA Structure from Base Pair Analysis in Crystals to Structure Prediction.		0
92	Natural polymer-based adhesive hydrogel for biomedical applications. 2022 , 8, 69-94		
91	Stacked-arene-type organocatalysts: Utilization of π - π Interaction as an electron tuning tool. 2022 , 101, 153921		
90	Harnessing the Cation- π Interactions of Metalated Gold Monolayer-Protected Clusters to Detect Aromatic Volatile Organic Compounds.		
89	Understanding the $n \rightarrow \pi^*$ non-covalent interaction using different experimental and theoretical approaches. <i>Physical Chemistry Chemical Physics</i> ,	3.6	4
88	PCL?????????????????????. <i>Scientia Sinica Vitae</i> , 2022 ,	1.4	
87	Electroconductive, Adhesive, Non-swelling, and Viscoelastic Hydrogels for Bioelectronics. <i>Advanced Materials</i> , 2203431	24	7
86	Aqueous Aggregation and Deposition Kinetics of Fresh and Carboxyl-Modified Nanoplastics in the Presence of Divalent Heavy Metals. <i>Water Research</i> , 2022 , 118877	12.5	0
85	Fabrication of long-life quasi-solid-state Na-CO ₂ battery by formation of Na ₂ C ₂ O ₄ discharge product. <i>Cell Reports Physical Science</i> , 2022 , 100973	6.1	2
84	Bioinspired poly(cation- π)micelles drug delivery platform for improving chemotherapy efficacy. <i>Journal of Controlled Release</i> , 2022 , 349, 486-501	11.7	
83	Antibody CDR amino acids underlying the functionality of antibody repertoires in recognizing diverse protein antigens. <i>Scientific Reports</i> , 2022 , 12,	4.9	0
82	Control of the Drying Patterns for Complex Colloidal Solutions and Their Applications. 2022 , 12, 2600		2
81	Cation- π Interaction-Mediated Tumour Drug Delivery for Deep Intratumoral Penetration and Treatment. 2205043		1
80	The Cation- π Interactions in aPotassium AlkylideneboraneComplex.		
79	Synthesis of Carbosilane and Carbosilane-Siloxane Dendrons Based on Limonene. 2022 , 14, 3279		1
78	Tuning Cobalt(II) Phosphine Complexes to be Axially Ambivalent. 2022 , 61, 12625-12634		1
77	Exploration of organic superionic glassy conductors by process and materials informatics with lossless graph database. 2022 , 8,		

- 76 Influence of cation-π interactions to the structural stability of phycocyanin proteins: A computational study. **2022**, 100, 107752
- 75 Mobility of water-soluble aerosol organic matters (WSAOMs) and their effects on soil colloid-mediated transport of heavy metal ions in saturated porous media. **2022**, 440, 129733 ○
- 74 Hollow Carbon Nanofibers with Inside-outside Decoration of Bi-metallic MOF Derived Ni-Fe Phosphides as Electrode Materials for Asymmetric Supercapacitors. **2022**, 450, 138363 10
- 73 Cation Protonation Degree Influence on the Formation of Anion-π Anion and Other Non-Valent Interactions in Guaninium Perrhenates and Perchlorate. **2022**, 7, ○
- 72 Efficient environmental recovery of Au(I) from thiosulfate solution on triphenylphosphine-oxide-modified vermiculite. **2022**, 374, 133993 ○
- 71 Disjoining pressure of room temperature ionic liquid in charged slit carbon nanopore: Molecular dynamics study. **2022**, 366, 120307 ○
- 70 Structural organization of peptides. **2023**, 1-33 ○
- 69 Harnessing the cation-π interactions of metalated gold monolayer-protected clusters to detect aromatic volatile organic compounds. **2023**, 253, 123915 ○
- 68 The Role of Alkali Metal Exchange in Zeolite-Templated Carbon Synthesis. **2022**, ○
- 67 Controllable construction of an ordered three-dimensional supramolecular polymer with selective guest adsorption ability. ○
- 66 π Interaction: Defining the Role and Relevance in Environmental Detoxification of Heavy Metals from Soil. **2022**, 659-672 ○
- 65 Influence of zeolite confinement effects on cation-π interactions in methanol-to-hydrocarbon conversion. **2022**, 58, 9242-9245 ○
- 64 Electrochemical deoxygenative reduction of ketones. **2022**, 58, 11155-11158 1
- 63 Investigation of Non-Covalent Interactions of Copper (II) Complexes with Small Biomolecules. ○
- 62 Transition Metal Catalyzed Hiyama Cross-Coupling: Recent Methodology Developments and Synthetic Applications. **2022**, 27, 5654 ○
- 61 Assembly of Sn(IV)-Porphyrin Cation Exhibiting Supramolecular Interactions of Anion-π Anion and Anion-π Systems. **2022**, 2022, M1454 ○
- 60 A computational study on acetaminophen drug complexed with Mn⁺, Fe²⁺, Co⁺, Ni²⁺, and Cu⁺ ions: structural analysis, electronic properties, and solvent effects. **2022**, 28, ○
- 59 Bonding and ¹³C-NMR properties of coinage metal tris(ethylene) and tris(norbornene) complexes: Evaluation of the role of relativistic effects from DFT calculations. **2022**, 43, 1848-1855 1

- 58 Study on silver ions binding to β -lactoglobulin. **2022**, 106897 0
- 57 Probing and Manipulating Noncovalent Interactions in Functional Polymeric Systems. **2022**, 122, 14594-14678 10
- 56 Formation of Robust and Adaptive Biopolymers via Non-Covalent Supramolecular Interactions. 2200579 0
- 55 Detection of Polycyclic Aromatic Hydrocarbons in High Organic Carbon Ultrafine Particle Extracts by Electrospray Ionization Ultrahigh-Resolution Mass Spectrometry. 0
- 54 Gelation and the Self-Healing Behavior of the Chitosan-Catechol Hydrogel. **2022**, 14, 4614 0
- 53 Anion-Coordination-Driven Assembly: From Discrete Supramolecular Self-Assemblies to Functional Soft Materials. 0
- 52 Quantum chemical simulation of hydrogen adsorption in pores: A study by DFT, SAPT0 and IGM methods. **2022**, 12, 363-372 0
- 51 Interaction of the Silver(I) Cation with [2.2]Paracyclophane: Experimental and Theoretical Study. **2022**, 7, 0
- 50 Selective and efficient solid phase extraction of cadmium (II) in sub-trace limits based on alizarin red-S cross-linked-2-mercapto-N-(3-(triethoxysilyl) propyl) acetamide bi-functionalized graphene oxide nanocomposite from different environmental water samples. 1-11 0
- 49 Ion-Ion Interactions for constructing organic luminescent materials. 1
- 48 Unraveling the impact of hydrogen bonding and C-H \cdots N interactions in crystal engineering of cyclic aminobenzonitriles: A combined X-ray crystallographic and computational investigation. **2023**, 1273, 134387 0
- 47 Novel insights on the graphene oxide nanosheets induced demulsification and emulsification of crude oil-in-water emulsion: A molecular simulation study. **2023**, 333, 126529 0
- 46 Preparation of N-2-Nitrophenylsulfenyl Imino Peptides and Their Catalyst-Controlled Diastereoselective Indolylation. 0
- 45 Non-specificity as the sticky problem in therapeutic antibody development. 5
- 44 An account of noncovalent interactions in homoleptic palladium(II) and platinum(II) complexes within the DFT framework: A correlation between geometries, energy components of symmetry-adapted perturbation theory and NCI descriptors. **2022**, 8, e11408 0
- 43 Interactions of Proteins with Small Molecules, Allosteric Effects. **2022**, 315-332 0
- 42 Asymmetric Ion-Pairing and H-Bonding Catalysis. **2023**, 121-149 0
- 41 Introduction. **2022**, 1-5 0

40	Fundamentals of Cation-Interactions. 2022 , 7-41	0
39	Coordination Patterns of the Diphosphate in IDP Coordination Complexes: Crystal Structure and Chirality. 2022 , 61, 19425-19439	0
38	Engineering Triboelectric Charge in Natural Rubber/Ag Nanocomposite for Enhancing Electrical Output of a Triboelectric Nanogenerator.	1
37	Molecular Hydration Tunes the Cation-Interaction Strength in Aqueous Solution. 2201732	0
36	Asetilkolinesteraz ve Bİrirkolinesteraz Enzimlerinin Alzheimer Hastalığı ile İlişisi. 2386-2395	0
35	Universal Character of Breaking of Wormlike Surfactant Micelles by Additives of Different Hydrophobicity. 2022 , 12, 4445	0
34	Synergistic effect of novel ionic liquid/graphene complex on the flame retardancy of epoxy nanocomposites.	0
33	Organo-Group 2 Metal-Mediated Nucleophilic Alkylation of Benzene: Crucial Role of Strong Cation-Interaction. 1686-1692	1
32	Energy- and carbon-efficient CO ₂ /CO electrolysis to multicarbon products via asymmetric ion migration-adsorption.	1
31	Probing a Hydrogen-Interaction Involving a Trapped Water Molecule in the Solid State.	0
30	Probing a Hydrogen-Interaction Involving a Trapped Water Molecule in the Solid State.	0
29	Structural analysis and electronic properties of transition metal ions (Ni ²⁺ , Fe ²⁺ , Mn ⁺ and Co ⁺) with psoralen biomolecule as an anticancer drug. 2023 , 986, 122606	0
28	EGCG attenuates β -synuclein protofibril-membrane interactions and disrupts the protofibril. 2023 , 230, 123194	0
27	Sustainable and mild exfoliation of bulk crystalline carbon nitride into ultrathin nanosheets via ion-exchange in pure-water. 2023 , 205, 76-85	0
26	Highly Specific Antibiotic Detection on Water-Stable Black Phosphorus Field-Effect Transistors.	0
25	Anion-Interaction inside the polyanionic Mo ₁₃₂ O ₃₇₂ cage with hydrophobic inner space.	0
24	Mussel-Based Biomimetic Strategies in Musculoskeletal Disorder Treatment: From Synthesis Principles to Diverse Applications. Volume 18, 455-472	0
23	Biomimetic pheomelanin to unravel the electronic, molecular and supramolecular structure of the natural product. 2023 , 14, 4183-4192	0

- 22 Comprehensive study on the hydrochar for adsorption of Cd(II): preparation, characterization, and mechanisms. ○
- 21 Amine recognizing domain in diverse receptors from bacteria and archaea evolved from the universal amino acid sensor. ○
- 20 Effect of HHCB and Cd on phytotoxicity, accumulation, subcellular distribution and stereoselectivity of chiral HHCB in soil-plant systems. **2023**, 198, 107699 ○
- 19 CIPDB: A biological structure databank for studying cation and π interactions. **2023**, 28, 103546 ○
- 18 Complexation between poly (styrene-co-methacrylic acid) and polyquaternium for use in shampoo formulations. **2023**, 379, 121692 ○
- 17 The Rigid Core and Flexible Surface of Amyloid Fibrils Probed by Magic-Angle-Spinning NMR Spectroscopy of Aromatic Residues. ○
- 16 Der starre Kern und die flexible Oberfläche von Amyloidfibrillen π Magic-Angle-Spinning NMR Spektroskopie von aromatischen Resten. ○
- 15 Torsional Rotation in Ditopic Receptor Host and its Complex Formation with Resorcinol Guest: A Computational Study. ○
- 14 Modulation of non-covalent wet adhesion and cohesion via proximally immobilized non-lysine pair structure. **2023**, 461, 141738 ○
- 13 Noncovalent $n \rightarrow \pi^*$, $C\equiv N \cdots \pi$ and $C\equiv O \cdots \pi$ interaction mediated supramolecular assembly in a $Re(CO)_3(trifluoroacetate)$ complex bearing a bulky tetraazaphenanthrene ligand: a combined CSD study and theoretical calculations. **2023**, 25, 1803-1816 ○
- 12 Cocrystals; basic concepts, properties and formation strategies. **2023**, 237, 273-332 ○
- 11 Cation- π Interactions Contribute to Hydrophobic Humic Acid Removal for the Control of Hydraulically Irreversible Membrane Fouling. **2023**, 57, 3853-3863 ○
- 10 Expanding the molecular language of protein liquid-liquid phase separation. ○
- 9 Insights into Selective Removal by Dye Adsorption on Hydrophobic vs Multivalent Hydrophilic Functionalized MWCNTs. **2023**, 8, 11233-11250 ○
- 8 Photodissociation Spectroscopy and Photofragment Imaging to Probe $Fe^+(Benzene)_{1,2}$ Dissociation Energies. **2023**, 127, 2795-2804 ○
- 7 Single-Molecule Force Spectroscopy Reveals Cation- π Interactions in Aqueous Media Are Highly Affected by Cation Dehydration. **2023**, 130, ○
- 6 Two-dimensional Supramolecular Polymers Based on Selectively Recognized Aromatic Cation- π and Donor-Acceptor Motifs for Photocatalytic Hydrogen Evolution. ○
- 5 Two-dimensional Supramolecular Polymers Based on Selectively Recognized Aromatic Cation- π and Donor-Acceptor Motifs for Photocatalytic Hydrogen Evolution. ○

- 4 Ionic liquid functionalized graphene oxide for the adsorption of Ca²⁺ and Mg²⁺ ions from saline aqueous feed. ○
- 3 Mechanistic Insights into the Binding of Different Positron Emission Tomography Tracers to Chronic Traumatic Encephalopathy Tau Protofibrils. ○
- 2 Effect of Substituents on the Intramolecular n→π* Interaction in 3-[2-(Dimethylamino) phenyl] propanal: A Computational Study. **2023**, 127, 3339-3346 ○
- 1 Complex Helical Self-Organizations and Functions on All Length Scales. From Art, Architecture, Early Machines and Natural Phenomena to Biological and Synthetic Assemblies and Macromolecules. **2023**, 1-121 ○