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List of Publications by Year
in descending order

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63 papers	1,651 citations	361296 20 h-index	315616 38 g-index
67 all docs	67 docs citations	67 times ranked	2476 citing authors

#	Article	IF	Citations
1	Enhanced Parallel Sine Cosine Algorithm for Constrained and Unconstrained Optimization. Mathematics, 2022, 10, 1166.	1.1	2
2	Ditopic Aza-Scorpiand Ligands Interact Selectively with ds-RNA and Modulate the Interaction upon Formation of Zn2+ Complexes. Molecules, 2021, 26, 3957.	1.7	1
3	Visualising G-quadruplex DNA dynamics in live cells by fluorescence lifetime imaging microscopy. Nature Communications, 2021, 12, 162.	5.8	101
4	Initial Biological Assessment of Upconversion Nanohybrids. Biomedicines, 2021, 9, 1419.	1.4	10
5	Alkaloids as Photosensitisers for the Inactivation of Bacteria. Antibiotics, 2021, 10, 1505.	1.5	4
6	Development of Polyamineâ€Substituted Triphenylamine Ligands with High Affinity and Selectivity for Gâ€Quadruplex DNA. ChemBioChem, 2020, 21, 1167-1177.	1.3	11
7	Dynamic adsorption separation of benzene/cyclohexane mixtures on micro-mesoporous silica SBA-2. Microporous and Mesoporous Materials, 2020, 294, 109942.	2.2	20
8	Propylsulfonic acid grafted on mesoporous siliceous FDU-5 material: A high TOF catalyst for the synthesis of coumarins via Pechmann condensation. Microporous and Mesoporous Materials, 2020, 307, 110458.	2.2	7
9	Toward a Rational Design of Polyamine-Based Zinc-Chelating Agents for Cancer Therapies. Journal of Medicinal Chemistry, 2020, 63, 1199-1215.	2.9	9
10	Progress in Antiparasitic Drug Discovery: From the Laboratory Bench to the Collaborative Initiatives. Current Topics in Medicinal Chemistry, 2019, 18, 2199-2200.	1.0	0
11	Acidâ€“base behaviour and binding to double stranded DNA/RNA of benzo[g]phthalazine-based ligands. New Journal of Chemistry, 2019, 43, 700-708.	1.4	4
12	Novel cationic bis(acylhydrazones) as modulators of Epsteinâ€“Barr virus immune evasion acting through disruption of interaction between nucleolin and G-quadruplexes of EBNA1 mRNA. European Journal of Medicinal Chemistry, 2019, 178, 13-29.	2.6	35
13	Nanoscale tweezers for single-cell biopsies. Nature Nanotechnology, 2019, 14, 80-88.	15.6	147
14	La fragilidad de los consensos. PolarizaciÃ³n ideolÃ³gica en el Chile post Pinochet. Revista De Ciencia PolÃtica, 2019, 39, 99-127.	0.1	5
15	Specific and highly efficient condensation of GC and IC DNA by polyaza pyridinophane derivatives. International Journal of Biological Macromolecules, 2018, 109, 143-151.	3.6	4
16	A Redoxâ€Activated Gâ€Quadruplex DNA Binder Based on a Platinum(IV)â€“Salphen Complex. Angewandte Chemie, 2018, 130, 316-319.	1.6	17
17	A Redoxâ€Activated Gâ€Quadruplex DNA Binder Based on a Platinum(IV)â€“Salphen Complex. Angewandte Chemie - International Edition, 2018, 57, 310-313.	7.2	52
18	Polarization and Electoral Incentives: The End of the Chilean Consensus Democracy, 1990â€“2014. Latin American Politics and Society, 2018, 60, 49-68.	0.4	5

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19	Azaâ€Macrocyclic Triphenylamine Ligands for Gâ€Quadruplex Recognition. Chemistry - A European Journal, 2018, 24, 10850-10858.	1.7	17
20	Binding Studies of Metalâ€“Salphen and Metalâ€“Bipyridine Complexes towards Gâ€Quadruplex DNA. Chemistry - A European Journal, 2018, 24, 11785-11794.	1.7	29
21	Dinickelâ€“Salphen Complexes as Binders of Human Telomeric Dimeric Gâ€Quadruplexes. Chemistry - A European Journal, 2017, 23, 4713-4722.	1.7	50
22	Validation and assessment of matrix effect and uncertainty of a gas chromatography coupled to mass spectrometry method for pesticides in papaya and avocado samples. Journal of Food and Drug Analysis, 2017, 25, 501-509.	0.9	41
23	Oxidative stress protection by manganese complexes of tail-tied aza-scorpiand ligands. Journal of Inorganic Biochemistry, 2016, 163, 230-239.	1.5	10
24	NMR Structure of a Trianguleniumâ€Based Longâ€Lived Fluorescence Probe Bound to a Gâ€Quadruplex. Angewandte Chemie, 2016, 128, 12696-12699.	1.6	14
25	NMR Structure of a Trianguleniumâ€Based Longâ€Lived Fluorescence Probe Bound to a Gâ€Quadruplex. Angewandte Chemie - International Edition, 2016, 55, 12508-12511.	7.2	59
26	Anthracene-terpyridine metal complexes as new G-quadruplex DNA binders. Journal of Inorganic Biochemistry, 2016, 160, 275-286.	1.5	39
27	In vitro antileishmanial activity of aza-scorpiand macrocycles. Inhibition of the antioxidant enzyme iron superoxide dismutase. RSC Advances, 2016, 6, 17446-17455.	1.7	13
28	Mechanochemical Complexation of Diethyl N,NÂ´-[1,3-(2-methyl)phenyl]dioxalamate and Resorcinol: Conformational Twist and X-Ray Helical Supramolecular Architecture. Journal of Chemical Crystallography, 2015, 45, 244-250.	0.5	3
29	Analytical method development for the determination of emerging contaminants in water using supercritical-fluid chromatography coupled with diode-array detection. Analytical and Bioanalytical Chemistry, 2015, 407, 4219-4226.	1.9	18
30	Emerging contaminant determination in water samples by liquid chromatography using a monolithic column coupled with a photodiode array detector. Analytical and Bioanalytical Chemistry, 2015, 407, 4661-4670.	1.9	15
31	Correlation between the molecular structure and the kinetics of decomposition of azamacrocyclic copper(<scp>ii</scp>) complexes. Dalton Transactions, 2015, 44, 8255-8266.	1.6	7
32	Aryl-bis-(scorpiand)-aza receptors differentiate between nucleotide monophosphates by a combination of aromatic, hydrogen bond and electrostatic interactions. Organic and Biomolecular Chemistry, 2015, 13, 1732-1740.	1.5	15
33	Revealing interactions between polyaza pyridinophane compounds and DNA/RNA polynucleotides by SERS spectroscopy. Journal of Raman Spectroscopy, 2014, 45, 863-872.	1.2	4
34	Synthetic single and double aza-scorpiand macrocycles acting as inhibitors of the antioxidant enzymes iron superoxide dismutase and trypanothione reductase in Trypanosoma cruzi with promising results in a murine model. RSC Advances, 2014, 4, 65108-65120.	1.7	19
35	Protonation, coordination chemistry, cyanometallate â€œsupercomplexâ€•formation and fluorescence chemosensing properties of a bis(2,2â€²-bipyridino)cyclophane receptor. Dalton Transactions, 2014, 43, 2437-2447.	1.6	6
36	Pore-Network Connectivity and Molecular Sieving of Normal and Isoalkanes in the Mesoporous Silica SBA-2. Journal of Physical Chemistry C, 2014, 118, 10183-10190.	1.5	10

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37	Mâ‹¯Hâ€“C interaction â€“ Agostic or not: A comparison of phenyl- versus pyridyl-bridged transition metal dimers. Inorganica Chimica Acta, 2014, 417, 287-293.	1.2	17
38	Chloride, carboxylate and carbonate transport by ortho-phenylenediamine-based bisureas. Chemical Science, 2013, 4, 103-117.	3.7	119
39	The size of the aryl linker between two polyaza-cyclophane moieties controls the binding selectivity to ds-RNA vs. ds-DNA. Organic and Biomolecular Chemistry, 2013, 11, 2154.	1.5	8
40	Equilibrium and kinetic studies on complex formation and decomposition and the movement of Cu2+metal ions within polytopic receptors. Dalton Transactions, 2013, 42, 6131.	1.6	12
41	Bifunctional Organocatalysts in the Asymmetric Michael Additions of Carbonylic Compounds to Nitroalkenes. Current Organic Chemistry, 2012, 16, 2440-2461.	0.9	45
42	Kinetics of Zn2+ complexation by a ditopic phenanthroline-azamacrocyclic scorpiand-like receptor. Chemical Communications, 2012, 48, 1994.	2.2	6
43	X-Ray Supramolecular Structure, NMR Spectroscopy and Synthesis of 3-Methyl-1-phenyl-1H-chromeno[4,3-c]pyrazol-4-ones Formed by the Unexpected Cyclization of 3-[1-(Phenyl-hydrazono)ethyl]-chromen-2-ones. Molecules, 2011, 16, 915-932.	1.7	13
44	Asymmetric transfer hydrogenation of prochiral ketones in aqueous media with chiral waterâ€soluble and heterogenized bifunctional catalysts of the RhCp*â€type ligand. Chirality, 2011, 23, 178-184.	1.3	13
45	3-(Piperidin-1-ium-1-yl)-6-azoniaspiro[5.5]undecane dibromide monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1308-o1309.	0.2	2
46	Synthesis and cytotoxic activity of a new potential DNA bisintercalator: 1,4-Bis{3-[N-(4-chlorobenzo[g]phthalazin-1-yl)aminopropyl]}piperazine. Bioorganic and Medicinal Chemistry, 2010, 18, 5301-5309.	1.4	15
47	Thermal [4 + 2] Cycloadditions of 3-Acetyl-, 3-Carbamoyl-, and 3-Ethoxycarbonyl-Coumarins with 2,3-Dimethyl-1,3-butadiene under Solventless Conditions: A Structural Study. Molecules, 2010, 15, 1513-1530.	1.7	10
48	Squaramide-Based Reagent for Selective Chromogenic Sensing of Cu(II) through a Zwitterion Radical. Organic Letters, 2010, 12, 3840-3843.	2.4	61
49	Tritopic phenanthroline and pyridine tail-tied aza-scorpiands. Organic and Biomolecular Chemistry, 2010, 8, 2367.	1.5	24
50	Structural reorganisation in polytopic receptors revealed by kinetic studies. Chemical Communications, 2010, 46, 6081.	2.2	8
51	Principles and Determinants of G-Protein Coupling by the Rhodopsin-Like Thyrotropin Receptor. PLoS ONE, 2010, 5, e9745.	1.1	54
52	CO₂ Fixation and Activation by Cu^{II} Complexes of 5,5â€³â€Terpyridinophane Macrocycles. European Journal of Inorganic Chemistry, 2008, 2008, 84-97.	1.0	19
53	Synthesis and coordination properties of an azamacrocyclic Zn(II) chemosensor containing pendent methylnaphthyl groups. Dalton Transactions, 2008, , 6530.	1.6	21
54	Hydrogen and Copper Ion-Induced Molecular Reorganizations in Scorpionand-like Ligands. A Potentiometric, Mechanistic, and Solid-State Study. Inorganic Chemistry, 2007, 46, 5707-5719.	1.9	51

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55	Design of Hybrid Organic/Inorganic Adsorbents Based on Periodic Mesoporous Silica. Industrial & Engineering Chemistry Research, 2006, 45, 5586-5597.	1.8	42
56	Generation of Atomistic Models of Periodic Mesoporous Silica by Kinetic Monte Carlo Simulation of the Synthesis of the Material. Journal of Physical Chemistry B, 2006, 110, 319-333.	1.2	77
57	Deuterium NMR studies of framework and guest mobility in the metalâ€“organic framework compound MOF-5, Zn4O(O2CC6H4CO2)3. Microporous and Mesoporous Materials, 2005, 84, 97-104.	2.2	88
58	Packing of adsorbed molecules in microporous polymorphs aluminium methylphosphonates Î± and Î². Physical Chemistry Chemical Physics, 2005, 7, 2351.	1.3	20
59	Motion of Aromatic Hydrocarbons in the Microporous Aluminum Methylphosphonates AlMePO-Î± and AlMePO-Î². Journal of Physical Chemistry B, 2005, 109, 21700-21709.	1.2	21
60	Structural Studies and Computer Simulation of the Inclusion of Aromatic Hydrocarbons in a Zinc 2,6-Naphthalene Dicarboxylate Framework Compound. Journal of Physical Chemistry B, 2004, 108, 535-543.	1.2	34
61	Structure of the Mesoporous Silica SBA-2, Determined by a Percolation Analysis of Adsorption. Langmuir, 2004, 20, 9856-9860.	1.6	19
62	Elucidation of the Pore Structure of SBA-2 Using Monte Carlo Simulation To Interpret Experimental Data for the Adsorption of Light Hydrocarbons. Langmuir, 2004, 20, 7653-7658.	1.6	20
63	Development of sampling and analytical procedure for determining hexachlorobenzene and hexachloro-1,3-butadiene in air. Environmental Science & Technology, 1974, 8, 584-585.	4.6	13