

Arturo Espinosa

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155 papers	4,254 citations	37 h-index	57 g-index
163 ext. papers	4,564 ext. citations	4.6 avg, IF	5.55 L-index

#	Paper	IF	Citations
155	New Hg ²⁺ and Cu ²⁺ selective chromo- and fluoroionophore based on a bichromophoric azine. <i>Organic Letters</i> , 2005 , 7, 5869-72	6.2	219
154	2-Aza-1,3-butadiene derivatives featuring an anthracene or pyrene unit: highly selective colorimetric and fluorescent signaling of Cu ²⁺ cation. <i>Organic Letters</i> , 2006 , 8, 3235-8	6.2	195
153	Cation coordination induced modulation of the anion sensing properties of a ferrocene-imidazophenanthroline dyad: multichannel recognition from phosphate-related to chloride anions. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4034-44	4.2	157
152	Bis(indolyl)methane derivatives as highly selective colourimetric and ratiometric fluorescent molecular chemosensors for Cu ²⁺ cations. <i>Tetrahedron</i> , 2008 , 64, 2184-2191	2.4	118
151	Ferrocene-based ureas as multisignaling receptors for anions. <i>Journal of Organic Chemistry</i> , 2006 , 71, 4590-8	4.2	102
150	Novel C,N-Cyclometalated Benzimidazole Ruthenium(II) and Iridium(III) Complexes as Antitumor and Antiangiogenic Agents: A Structure-Activity Relationship Study. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 7310-27	8.3	92
149	Imidazole-annelated ferrocene derivatives as highly selective and sensitive multichannel chemical probes for Pb(II) cations. <i>Journal of Organic Chemistry</i> , 2009 , 74, 4787-96	4.2	89
148	Triple channel sensing of Pb(II) ions by a simple multiresponsive ferrocene receptor having a 1-deazapurine backbone. <i>Organic Letters</i> , 2008 , 10, 41-4	6.2	87
147	A simple but effective ferrocene derivative as a redox, colorimetric, and fluorescent receptor for highly selective recognition of Zn ²⁺ ions. <i>Organic Letters</i> , 2007 , 9, 2385-8	6.2	80
146	A simple but effective dual redox and fluorescent ion pair receptor based on a ferrocene-imidazopyrene dyad. <i>Organic Letters</i> , 2011 , 13, 2078-81	6.2	76
145	Novel C,N-chelate rhodium(III) and iridium(III) antitumor complexes incorporating a lipophilic steroidal conjugate and their interaction with DNA. <i>Dalton Transactions</i> , 2012 , 41, 12847-56	4.3	74
144	A new bis(pyrenyl)azadiene-based probe for the colorimetric and fluorescent sensing of Cu(II) and Hg(II). <i>Tetrahedron</i> , 2010 , 66, 3662-3667	2.4	74
143	[3.3]Ferrocenophanes with guanidine bridging units as multisignalling receptor molecules for selective recognition of anions, cations, and amino acids. <i>Chemistry - A European Journal</i> , 2007 , 13, 5742-52	4.8	74
142	A new fluoride selective electrochemical and fluorescent chemosensor based on a ferrocene-naphthalene dyad. <i>Chemical Communications</i> , 2004 , 1658-9	5.8	71
141	Electroactive thiazole derivatives capped with ferrocenyl units showing charge-transfer transition and selective ion-sensing properties: a combined experimental and theoretical study. <i>Inorganic Chemistry</i> , 2007 , 46, 825-38	5.1	68
140	A potent ruthenium(II) antitumor complex bearing a lipophilic levonorgestrel group. <i>Inorganic Chemistry</i> , 2011 , 50, 9164-71	5.1	65
139	New 7-azaindole palladium and platinum complexes: crystal structures and theoretical calculations. In vitro anticancer activity of the platinum compounds. <i>Dalton Transactions</i> , 2010 , 39, 3290-301	4.3	62

138	Ferrocene-based small molecules for dual-channel sensing of heavy- and transition-metal cations. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5489-97	4.2	62
137	Indolocarbazole-based ligands for ladder-type four-coordinate boron complexes. <i>Organic Letters</i> , 2012 , 14, 3360-3	6.2	59
136	Synthesis, structural characterization, and electrochemical and optical properties of ferrocene-triazole-pyridine triads. <i>Inorganic Chemistry</i> , 2011 , 50, 8214-24	5.1	58
135	Heteroditopic ferrocene-based ureas as receptors for anions and cations. <i>Dalton Transactions</i> , 2006 , 3685-92	4.3	56
134	Cubane-like tetranuclear Cu(II) complexes bearing a CuO core: crystal structure, magnetic properties, DFT calculations and phenoxazinone synthase like activity. <i>Dalton Transactions</i> , 2017 , 46, 1249-1259	4.3	53
133	Selective fluorescence sensing of Li ⁺ in an aqueous environment by a ferrocene-anthracene-linked dyad. <i>Organic Letters</i> , 2004 , 6, 4599-602	6.2	51
132	Synthesis, Structural Characterization, and Sensing Properties of Clickable Unsymmetrical 1,1'-Disubstituted Ferrocene-Triazole Derivatives. <i>Organometallics</i> , 2012 , 31, 2085-2096	3.8	50
131	A selective redox and chromogenic probe for Hg(II) in aqueous environment based on a ferrocene-azaquinoxaline dyad. <i>Inorganic Chemistry</i> , 2009 , 48, 11566-75	5.1	50
130	A new multifunctional ferrocenyl-substituted ferrocenophane derivative: optical and electronic properties and selective recognition of Mg ²⁺ ions. <i>Chemistry - A European Journal</i> , 2004 , 10, 1815-26	4.8	50
129	Ion pair recognition receptor based on an unsymmetrically 1,1'-disubstituted ferrocene-triazole derivative. <i>Journal of Organic Chemistry</i> , 2012 , 77, 10083-92	4.2	48
128	Mononuclear ferrocenophane structural motifs with two thiourea arms acting as a dual binding site for anions and cations. <i>Inorganic Chemistry</i> , 2009 , 48, 1566-76	5.1	48
127	Multichannel HSO ₄ ⁻ recognition promoted by a bound cation within a ferrocene-based ion pair receptor. <i>Chemical Communications</i> , 2012 , 48, 6848-50	5.8	47
126	Synthesis and antiproliferative activity of a C,N-cycloplatinated(II) complex with a potentially intercalative anthraquinone pendant. <i>Inorganic Chemistry</i> , 2011 , 50, 2151-8	5.1	46
125	Synthesis and Characterization of Radical Cations Derived from Mono- and Biferrocenyl-Substituted 2-Aza-1,3-butadienes: A Study of the Influence of an Asymmetric and Oxidizable Bridge on Intramolecular Electron Transfer. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2436-2450	2.3	46
124	Synthesis and reactions of the first room temperature stable Li/Cl phosphinidenoid complex. <i>Inorganic Chemistry</i> , 2012 , 51, 12343-9	5.1	45
123	Novel C,N-chelate platinum(II) antitumor complexes bearing a lipophilic ethisterone pendant. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 525-31	4.2	45
122	Reaction of a Stable Digermene with Acetylenes: Synthesis of a 1,2-Digermabenzene and a 1,4-Digermabarrelene. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 1375-1384	5.1	44
121	Selective picomolar detection of mercury(II) using optical sensors. <i>Chemical Communications</i> , 2011 , 47, 1842-4	5.8	43

120	Computational studies on azaphosphiridines, or how to effect ring-opening processes through selective bond activation. <i>Chemistry - A European Journal</i> , 2011 , 17, 3166-78	4.8	40
119	An electroactive nitrogen-rich [4.4]ferrocenophane displaying redox-switchable behavior: selective sensing, complexation, and decomplexation of Mg ²⁺ ions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1977-81	16.4	38
118	A multiresponsive two-arm ferrocene-based chemosensor molecule for selective detection of mercury. <i>Dalton Transactions</i> , 2009 , 2121-9	4.3	37
117	Selective metal-cation recognition by [2.2]ferrocenophanes: the cases of zinc- and lithium-sensing. <i>Chemistry - A European Journal</i> , 2010 , 16, 1532-42	4.8	37
116	Preparation, structure, and anion sensing properties of 1,n-diaza[n]ferrocenophanes. <i>Journal of Organic Chemistry</i> , 2005 , 70, 6603-8	4.2	37
115	Synthesis and properties of a new class of nitrogen-rich multinuclear[m.n] ferrocenophanes. <i>Chemical Communications</i> , 2004 , 458-9	5.8	33
114	Isomeric carbazolocarbazoles: synthesis, characterization and comparative study in Organic Field Effect Transistors. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1959	7.1	32
113	Multifunctional linear triferrocene derivatives linked by oxidizable bridges: optical, electronic, and cation sensing properties. <i>Organic Letters</i> , 2005 , 7, 3171-4	6.2	32
112	Electrochemical and Fluorescent Ferrocene-Imidazole-Based Dyads as Ion-Pair Receptors for Divalent Metal Cations and Oxoanions. <i>Inorganic Chemistry</i> , 2015 , 54, 7461-73	5.1	31
111	Ferrocene-Imidazole-Byrene Triads as Multichannel Heteroditopic Recognition Receptors for Anions, Cations and Ion Pairs. <i>Organometallics</i> , 2014 , 33, 2837-2852	3.8	31
110	A new open benzodipyrrole-based chemosensor for hydrogenpyrophosphate anion in aqueous environment. <i>Chemical Communications</i> , 2009 , 7539-41	5.8	31
109	Solid state conformational and theoretical study of complexes containing the (C _x N)Pd moiety (C _x N = 2-(phenylazo)phenyl-C,N and its derivatives). <i>New Journal of Chemistry</i> , 2003 , 27, 1490-1496	3.6	29
108	Bis(carbazolyl)ureas as selective receptors for the recognition of hydrogenpyrophosphate in aqueous media. <i>Journal of Organic Chemistry</i> , 2013 , 78, 9725-37	4.2	28
107	Orthogonal non-covalent binding forces in solid state supramolecular herringbone-shaped "interlocked dimers". Pseudopolymorphism in [(ppy)Pd(μ -pz)](2) (ppy = 2-(2-pyridyl)phenyl, pz = pyrazol-1-yl) complex. <i>Dalton Transactions</i> , 2009 , 9625-36	4.3	28
106	Single Heteroatom Fine-Tuning of the Emissive Properties in Organoboron Complexes with 7-(Azaheteroaryl)indole Systems. <i>Journal of Organic Chemistry</i> , 2016 , 81, 3296-302	4.2	27
105	Highly selective mercury(II) cations detection in mixed-aqueous media by a ferrocene-based fluorescent receptor. <i>Dalton Transactions</i> , 2012 , 41, 4437-44	4.3	27
104	A multifaceted ferrocene-benzobisimidazole derivative: fluorogenic probe for Pb(2+) and Zn(2+) cations and unconventional fluorescence behaviour towards Cu(2+) metal cations. <i>Dalton Transactions</i> , 2010 , 39, 5429-31	4.3	27
103	Reactivity of terminal phosphinidene versus Li-Cl phosphinidenoid complexes in cycloaddition chemistry. <i>Chemical Communications</i> , 2012 , 48, 5986-8	5.8	26

102	Strong Evidence for an Unprecedented Borderline Case of Dissociation and Cycloaddition in Open-Shell 1,3-Dipole Chemistry: Transient Nitrilium Phosphane-Ylide Complex Radical Cations. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3226-3237	2.3	25
101	N-Heterocyclic Carbene-Stabilized Germanium and Tin Analogues of Heavier Nitriles: Synthesis, Reactivity, and Catalytic Application. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14576-14580	16.4	24
100	Coordination of CO to low-valent phosphorus centres and other related P-C bonding situations. A theoretical case study. <i>Chemical Science</i> , 2013 , 4, 4309	9.4	24
99	The azaphosphiridine to terminal phosphinidene complex rearrangement--looking for non-covalent interactions of a highly reactive species. <i>Chemical Communications</i> , 2013 , 49, 9648-50	5.8	24
98	Synthesis of Multifunctional Aza-Substituted Ruthenocene Derivatives Displaying Charge-Transfer Transitions and Selective Zn(II) Ions Sensing Properties. <i>Organometallics</i> , 2007 , 26, 6234-6242	3.8	24
97	Synthesis and DFT calculations of spirooxaphosphirane complexes. <i>Dalton Transactions</i> , 2013 , 42, 8897-906	4.9	23
96	Deoxygenation of carbon dioxide by electrophilic terminal phosphinidene complexes. <i>Chemical Science</i> , 2012 , 3, 3526	9.4	22
95	Single electron transfer-mediated selective endo- and exocyclic bond cleavage processes in azaphosphiridine chromium(0) complexes: a computational study. <i>Inorganic Chemistry</i> , 2012 , 51, 7250-6	5.1	22
94	Conformationally modulated intramolecular electron transfer process in a diaza[2,2]ferrocenophane. <i>Inorganic Chemistry</i> , 2010 , 49, 3183-91	5.1	22
93	Multifunctional ferrocene-ruthenocene dyads linked by single or double aza-containing bridges displaying metal-metal interactions and cation recognition properties. <i>Journal of Organic Chemistry</i> , 2007 , 72, 1161-73	4.2	22
92	A nitrate-selective electrode based on a tris(2-aminoethyl)amine triamide derivative receptor. <i>Analytica Chimica Acta</i> , 2004 , 525, 231-237	6.6	22
91	Synthesis, electrochemical, and optical properties of linear homo- and heterometallocene triads. <i>Journal of Organic Chemistry</i> , 2007 , 72, 6924-37	4.2	21
90	Rigid π -Extended Boron Difluoride Complex with Mega-Stokes Shift for Bioimaging. <i>Organic Letters</i> , 2020 , 22, 3356-3360	6.2	21
89	Tris(triazole) tripodal receptors as selective probes for citrate anion recognition and multichannel transition and heavy metal cation sensing. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 1429-38	3.9	20
88	New steroidal 7-azaindole platinum(II) antitumor complexes. <i>Journal of Inorganic Biochemistry</i> , 2013 , 128, 48-56	4.2	20
87	A redox-fluorescent molecular switch based on a heterobimetallic Ir(III) complex with a ferrocenyl azaheterocycle as ancillary ligand. <i>Dalton Transactions</i> , 2009 , 3900-2	4.3	20
86	A densely decorated disubstituted ferrocene as an ion-pair recognition receptor. <i>Chemical Communications</i> , 2013 , 49, 9633-5	5.8	19
85	Multifunctional Benzothiadiazole-Based Small Molecules Displaying Solvatochromism and Sensing Properties toward Nitroarenes, Anions, and Cations. <i>ChemistryOpen</i> , 2014 , 3, 242-9	2.3	19

84	Aldimines generated from aza-Wittig reaction between bis(iminophosphoranes) derived from 1,1Pdiazidoferrocene and aromatic or heteroaromatic aldehydes: electrochemical and optical behaviour towards metal cations. <i>Dalton Transactions</i> , 2011 , 40, 12548-59	4.3	19
83	Oxaphosphirane-borane complexes: ring strain and migratory insertion/ring-opening reactions. <i>Inorganic Chemistry</i> , 2014 , 53, 6132-40	5.1	18
82	Synthesis of a Novel Class of Macrocyclic Compounds Containing 1,3,4-Thiadiazole Rings as Subunits. <i>Journal of Organic Chemistry</i> , 1994 , 59, 3665-3669	4.2	18
81	Reactions of Li/Cl Phosphinidenoid Complexes with 1,3,4,5-Tetramethylimidazol-2-ylidene: A New Route to N-Heterocyclic Carbene Adducts of Terminal Phosphinidene Complexes and an Unprecedented Transformation of an Oxaphosphirane Complex. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 685-690	2.3	17
80	A novel N,P,C cage complex formed by rearrangement of a tricyclic phosphirane complex: on the importance of non-covalent interactions. <i>Chemistry - A European Journal</i> , 2014 , 20, 7010-6	4.8	17
79	Electrophilic behaviour of 3-methyl-2-methylthio-1,3,4-thiadiazolium salts: A multimodal theoretical approach. <i>Arkivoc</i> , 2005 , 2005, 415-437	0.9	17
78	Going for strain: synthesis of the first 3-imino-azaphosphiridine complexes and their conversion into oxaphosphirane complex valence isomers. <i>Chemical Communications</i> , 2015 , 51, 3878-81	5.8	16
77	Synthesis, crystal structure, theoretical calculations, and electrochemical and biological studies of polymeric (N,N,N',N'-tetramethylethylenediamine)bis(thiocyanato- η)copper(II), [Cu(tmEDA)(NCS) ₂] _n . <i>Polyhedron</i> , 2015 , 90, 252-257	2.7	16
76	Thiaphosphiranes and Their Complexes: Systematic Study on Ring Strain and Ring Cleavage Reactions. <i>Inorganic Chemistry</i> , 2016 , 55, 9611-9619	5.1	16
75	Rearrangement and deoxygenation of 3,3-bis(2-pyridyl)oxaphosphirane complexes. <i>Dalton Transactions</i> , 2016 , 45, 2085-94	4.3	16
74	Exocyclic bond cleavage in oxaphosphirane complexes?. <i>Chemistry - A European Journal</i> , 2012 , 18, 13405-13	4.8	16
73	Terminal Phosphinidene Complex Adducts with Neutral and Anionic O-Donors and Halides and the Search for a Differentiating Bonding Descriptor. <i>Inorganic Chemistry</i> , 2020 , 59, 12829-12841	5.1	16
72	Evidence for Terminal Phosphinidene Oxide Complexes in O,P,C-Cage Complex Formation: Rearrangement of Oxaphosphirane Complexes. <i>Organometallics</i> , 2015 , 34, 2676-2682	3.8	15
71	On the Mechanism of Trimethylphosphine-Mediated Reductive Dimerization of Ketones. <i>Inorganic Chemistry</i> , 2018 , 57, 8058-8064	5.1	15
70	Stimuli-Responsive Frustrated Lewis-Pair-Type Reactivity of a Tungsten Iminoazaphosphiridine Complex. <i>Chemistry - A European Journal</i> , 2015 , 21, 9650-5	4.8	15
69	Unprecedented ring-ring interconversion of N,P,C-cage ligands. <i>Chemistry - A European Journal</i> , 2015 , 21, 3727-35	4.8	15
68	Evidence for Ligand-Centered Reactivity of a 17e Radical Cationic 2H-Azaphosphirene Complex. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 4669-4678	2.3	15
67	CPh ₃ as a functional group in P-heterocyclic chemistry: elimination of HCPH ₃ in the reaction of P-CPh ₃ substituted Li/Cl phosphinidenoid complexes with Ph ₂ C=O. <i>Dalton Transactions</i> , 2016 , 45, 2378-85	4.3	14

66	A Multidimensional Undergraduate Experiment for Easy Solution and Surface Sensing of Mercury(II) and Copper(II) Metal Cations. <i>Journal of Chemical Education</i> , 2013 , 90, 1057-1060	2.4	13
65	"Low-coordinate" 1,2-oxaphosphetanes - a new opportunity in coordination and main group chemistry. <i>Chemical Communications</i> , 2018 , 54, 7123-7126	5.8	12
64	Nitrogen-rich multinuclear ferrocenophanes as multichannel chemosensor molecules for transition and heavy-metal cations. <i>Sensors</i> , 2014 , 14, 14339-55	3.8	12
63	Formation of Transient and Stable 1,3-Dipole Complexes with P,S,C and S,P,C Ligand Skeletons. <i>Organometallics</i> , 2015 , 34, 3103-3106	3.8	11
62	Synthesis, theoretical calculations and antimicrobial studies of copper(I) complexes of cysteamine, cysteine and 2-mercaptonicotinic acid. <i>Polyhedron</i> , 2015 , 85, 239-245	2.7	11
61	Kinetic energy density per electron as quick insight into ring strain energies. <i>Tetrahedron Letters</i> , 2016 , 57, 5616-5619	2	11
60	The 3-Acetyloxaphosphirane/1,3,2-Dioxaphosphol-4-ene Rearrangement. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 1727-1734	2.3	11
59	Quantum Chemical Calculations on CHOP Derivatives-Spanning the Chemical Space of Phosphinidenes, Phosphaketenes, Oxaphosphirenes, and COP Isomers. <i>Molecules</i> , 2018 , 23,	4.8	11
58	Coordination of N and Other Small Molecules to the Phosphorus Centre of RPW(CO) : A Theoretical Study on the Janus Facets of the Stabilization/Activation Problem. <i>Chemistry - A European Journal</i> , 2017 , 23, 8632-8643	4.8	10
57	Heteroleptic Ru(II) complexes containing aroyl hydrazone and 2,2'-bipyridyl: Synthesis, X-ray crystal structures, electrochemical and DFT studies. <i>Polyhedron</i> , 2014 , 72, 115-121	2.7	10
56	A Selective Chromogenic and Fluorescent Molecular Probe for Yb(III) Based on a Bichromophoric Azadiene. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 697-703	2.3	10
55	Synthesis of 1,2,4-Triazole and 1,3,4-Thiadiazole Derivatives from Methyl 2-Methyldithiocarbamate and Heterocumulenes. <i>Synthesis</i> , 1989 , 1989, 923-929	2.9	10
54	Epoxide-like Chemistry: 1,2-Bifunctional P-Ligands via Stereo- and Regioselective Ring Opening of an Oxaphosphirane Complex. <i>Organometallics</i> , 2018 , 37, 1331-1336	3.8	9
53	2-Methylthio-1,3,4-thiadiazolium Cations as Useful Precursors for the Preparation of 2-Amino-1,3,4-thiadiazole Derivatives and as Dehydrating Reagents of Aldoximes. <i>Heterocycles</i> , 1989 , 29, 2301	0.8	9
52	Effects of diminished steric protection at phosphorus on stability and reactivity of oxaphosphirane complexes. <i>Dalton Transactions</i> , 2018 , 47, 9347-9354	4.3	9
51	Access and unprecedented reaction pathways of Li/Cl phosphinidenoid iron(0) complexes. <i>Dalton Transactions</i> , 2018 , 48, 339-345	4.3	8
50	Benchmarking the inversion barriers in $\beta\beta$ -phosphorus compounds: a computational study. <i>New Journal of Chemistry</i> , 2020 , 44, 8763-8770	3.6	8
49	Coordination chemistry of a low-coordinate non-metal element: the case of electrophilic terminal phosphinidene complexes. <i>Dalton Transactions</i> , 2016 , 45, 13951-6	4.3	8

48	Cycloaddition of P-C Single Bonds: Stereoselective Formation of Benzo-1,3,6,2-trioxaphosphepine Complexes via a Ditopic van der Waals Complex. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12693-7	16.4	8
47	Comparative Computational Study on the Reaction of Chloroacetone with Trimethylphosphite: Perkow versus Michaelis-Arbuzov Reaction Paths. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 6517-6522	2.8	8
46	Synthesis, X-ray Crystal Structures, and Spectroscopic, Electrochemical, and Theoretical Studies of MnIII Complexes of Pyridoxal Schiff Bases with Two Diamines. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3249-3260	2.3	8
45	A new insight into the problem of stabilisation of carbocationic centres in the ferrocene series. <i>Tetrahedron Letters</i> , 2002 , 43, 4717-4720	2	8
44	Synthesis, crystal structure and DFT calculations of bis(1,3-diazinane-2-thione-5-yl)dicyanido disilver(I), $[\{Ag(Diaz)2\}Ag(CN)2]$. <i>Polyhedron</i> , 2016 , 110, 299-304	2.7	7
43	Reaction of Li/Cl phosphinidenoid complexes with a phosphite substituted ketone: access to complexes with a novel mixed-valence polycyclic P,C-ligand system. <i>Dalton Transactions</i> , 2013 , 42, 10510-4	4.2	7
42	Mexican Sign Language Alphanumeric Gestures Recognition using 3D Haar-like Features. <i>IEEE Latin America Transactions</i> , 2017 , 15, 2000-2005	0.7	7
41	Multichannel recognition of hydrogen sulphate anion by a Zn(II)triazolepyridine complex bearing a ferrocenyl pendant. <i>Supramolecular Chemistry</i> , 2012 , 24, 826-832	1.8	7
40	Unexpected transalkylation on 3-alkyl-2-alkylthio-1,3,4-thiadiazolium-5-thiolates: a computational and experimental mechanistic study. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1623-8	3.9	7
39	N1-coordination in palladium(II) and platinum(II) complexes with 9-methylhypoxanthine: crystal structures and theoretical calculations. <i>Dalton Transactions</i> , 2009 , 9637-44	4.3	7
38	An Electroactive Nitrogen-Rich [4.4]Ferrocenophane Displaying Redox-Switchable Behavior: Selective Sensing, Complexation, and Decomplexation of Mg^{2+} ions. <i>Angewandte Chemie</i> , 2005 , 117, 2013-2017	3.6	7
37	Methyl 2-methyldithiocarbazate in heterocyclic synthesis: preparation of 2,5-disubstituted 1,3,4-thiadiazoles, bis(1,3,4-thiadiazolium) salts and macrocycles containing 1,3,4-thiadiazole subunits. X-Ray crystal structure of 2,2,4,4-tetramethyl-5,5-dithio-1,3-dithiane-1,1-dithiolane-2,4-dithiolane-3-thiolane-2-thiolane-1,3,4-thiadiazolium salt. <i>Journal of the Chemical Society, Dalton Transactions</i> , 2005 , 2005, 1021-1026		7
36	Synthesis of free and ligated 1,2-thiaphosphetanes - expanding the pool of strained P-ligands. <i>Chemical Communications</i> , 2019 , 55, 1615-1618	5.8	6
35	Synthesis, crystal structure, theoretical calculations and antimicrobial properties of $[Pt(tetramethylthiourea)_4] [Pt(CN)_4] \cdot 4H_2O$. <i>Journal of Molecular Structure</i> , 2015 , 1085, 155-161	3.4	6
34	A Computational Study on the Stability of Oxaphosphirane Rings towards Closed-Shell Valence Isomerization. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2707-2712	2.3	6
33	Unusual Mechanism for the Reaction of a Niobocene Hydride Complex with Activated Alkynes. Experimental and DFT Studies. <i>Organometallics</i> , 2015 , 34, 2695-2698	3.8	6
32	Crystal Packing in Di-(EOH)-ortho-palladated Complexes [A DFT Insight into the Molecular Structure and Solid-State Interactions. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3687-3697	2.3	6
31	Syntheses of Bile Pigments. Part 18. Synthesis and conformational studies of oxa- and thia-deaza-biliverdin analogues. <i>Helvetica Chimica Acta</i> , 1994 , 77, 1837-1850	2	6

30	Synthesis of Bridgehead-nitrogen Heterocycles from Pyrylium Salts: Preparation of the Novel Tricyclic Thiazolo[2,3-a]pyrido[2,1-f][1,2,4]triazine Ring System. <i>Heterocycles</i> , 1987 , 26, 2183	0.8	6
29	Pyrene-based dyad and triad leading to a reversible chemical and redox optical and magnetic switch. <i>Chemistry - A European Journal</i> , 2015 , 21, 5504-9	4.8	5
28	1,2-Thiaphosphetanes: The Quest for Wittig-Type Ring Cleavage, Rearrangement, and Sulfur Atom Transfer. <i>Inorganic Chemistry</i> , 2020 , 59, 3110-3117	5.1	5
27	Accurate Ring Strain Energy Calculations on Saturated Three-Membered Heterocycles with One Group 13-16 Element. <i>Inorganic Chemistry</i> , 2020 , 59, 11503-11513	5.1	5
26	A case study on the conversion of Li/Cl phosphinidenoid into phosphinidene complexes. <i>Dalton Transactions</i> , 2021 , 50, 739-745	4.3	5
25	Unconventional ionic ring-deconstruction pathways of a three-membered heterocycle. <i>Chemical Communications</i> , 2018 , 54, 14013-14016	5.8	5
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21	P-Functionalized tetrathiafulvalenes from 1,3-dithiole-2-thiones?. <i>New Journal of Chemistry</i> , 2020 , 44, 17122-17128	3.6	4
20	M/X Phosphinidenoid Metal Complex Chemistry. <i>Accounts of Chemical Research</i> , 2021 , 54, 1754-1765	24.3	4
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13	Synthesis of the First Oxaphosphirane Iron Complexes. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 252-257	2.3	3

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11	Theoretical Study on Novel Mixed Valence, P-H Functional P-Ligands, and Their Tautomerization. <i>Heteroatom Chemistry</i> , 2014 , 25, 651-657	1.2	2
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9	Between Oxirane and Phosphirane: The Spring-loaded Oxaphosphirane Ring. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 348-353	2.3	2
8	Chemistry of oxaphosphirane complexes. <i>Coordination Chemistry Reviews</i> , 2021 , 437, 213818	23.2	1
7	Toward a 1,4-Diphosphinine-Based Molecular CPS-Ternary Compound. <i>Inorganic Chemistry</i> , 2021 , 60, 13029-13040	5.1	1
6	Electronic structure and bridge geometric distortion in pushPull imine-bridged triads. A theoretical study. <i>New Journal of Chemistry</i> , 2021 , 45, 4472-4480	3.6	1
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4	Analysis of Non-innocence of Phosphaquinodimethane Ligands when Charge and Aromaticity Come into Play. <i>Chemistry - A European Journal</i> , 2021 , 27, 9350-9359	4.8	0
3	Azaphosphiridines: challenges and perspectives. <i>Dalton Transactions</i> , 2021 , 50, 7324-7336	4.3	0
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