

Felipe Garcia

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

99
papers

2,491
citations

25
h-index

45
g-index

125
ext. papers

2,845
ext. citations

6.5
avg, IF

5.35
L-index

#	Paper	IF	Citations
99	Effective visible light-activated B-doped and B,N-codoped TiO ₂ photocatalysts. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13790-1	16.4	528
98	Main group mechanochemistry: from curiosity to established protocols. <i>Chemical Society Reviews</i> , 2019 , 48, 2274-2292	58.5	214
97	Efficient visible light-active N-doped TiO ₂ photocatalysts by a reproducible and controllable synthetic route. <i>Chemical Communications</i> , 2006 , 4236-8	5.8	70
96	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P ₄ (N(t)Bu) ₆ : Enabled by Mechanochemistry. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12736-40	16.4	69
95	Mixed alkylamido aluminate as a kinetically controlled base. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16193-200	16.4	69
94	Templating and selection in the formation of macrocycles containing [[P(mu-NtBu)(2))(micro-NH)](n) frameworks: observation of halide ion coordination. <i>Chemistry - A European Journal</i> , 2002 , 8, 3377-85	4.8	68
93	An unexpected pathway in the cage opening and aggregation of P ₄ . <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3084-6	16.4	54
92	Selection of a pentameric host in the host-guest complexes [[[[P(mu-NtBu) ₂ (mu-NH) ₅].I]-[Li(thf) ₄] ⁺ and [[[[P(mu-NtBu) ₂ (mu-NH) ₅].HBr.THF. <i>Chemistry - A European Journal</i> , 2004 , 10, 6066-72	4.8	50
91	Main group mechanochemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 2068-2077	2.5	47
90	Completely Solvent-free Protocols to Access Phase-Pure, Metastable Metal Halide Perovskites and Functional Photodetectors from the Precursor Salts. <i>IScience</i> , 2019 , 16, 312-325	6.1	46
89	Highly selective epoxidation of styrene using a transition metal-aluminium(III) complex containing the [MeAl(2-py) ₃] ⁻ anion (2-py = 2-pyridyl). <i>Chemical Communications</i> , 2005 , 198-200	5.8	37
88	Unique Triphenylphosphonium Derivatives for Enhanced Mitochondrial Uptake and Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2017 , 28, 590-599	6.3	36
87	Switching between halogen- and hydrogen-bonding in stoichiometric variations of a cocrystal of a phosphine oxide. <i>CrystEngComm</i> , 2012 , 14, 6110	3.3	35
86	The formation of dimeric phosph(III)azane macrocycles [[P(mu-NtBu) ₂ .LL] ₂ [LL = organic spacer]. <i>Dalton Transactions</i> , 2004 , 2904-9	4.3	33
85	Synthesis of the [MeAl(2-py) ₃] ⁻ Anion and Its Application as a Stable and Mild Pyridyl-Transfer Reagent (2-py = 2-Pyridyl). <i>Organometallics</i> , 2004 , 23, 3884-3890	3.8	33
84	A multi-step solvent-free mechanochemical route to indium(III) complexes. <i>Dalton Transactions</i> , 2016 , 45, 7941-6	4.3	33
83	Synthesis and structure of the calixarene-like phosph(III)azane macrocycle [[P(mu-N(t)Bu) ₂ }{1,5-(NH)2C ₁₀ H ₆ }] ₃ . <i>Chemical Communications</i> , 2005 , 3733-5	5.8	31

82	An Unexpected Pathway in the Cage Opening and Aggregation of P4. <i>Angewandte Chemie</i> , 2007 , 119, 3144-3146	3.6	30
81	Encapsulation of hydride by molecular main group metal clusters: manipulating the source and coordination sphere of the interstitial ion. <i>Dalton Transactions</i> , 2006 , 5574-82	4.3	30
80	Suppressing the Anionic Fries Rearrangement of Aryl Dialkylcarbamates; the Isolation of a Crystalline ortho-Deprotonated Carbamate. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 644-647 ³⁻²	3.2	28
79	Exo-metal coordination by a tricyclic [(P(μ -N-2-NC ₅ H ₄)) ₂ (μ -O)] ₂ dimer in [(P(μ -N-2-NC ₅ H ₄)) ₂ (μ -O)] ₂ (CuCl x (C ₅ H ₅ N) ₂) ₄ (2-NC ₅ H ₄ = 2-pyridyl, C ₅ H ₅ N = pyridine). <i>Chemical Communications</i> , 2003 , 2990-1	5.8	28
78	Trapping of oligomeric cyclopentadienyllithium cationic and anionic fragments by a V[triple bond]V-bonded ligand. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5425-7	16.4	27
77	Syntheses and Structure of Heterometallic Complexes Containing Tripodal Group 13 Ligands [RE(2-py) ₃]- (E = Al, In) <i>Organometallics</i> , 2006 , 25, 2561-2568	3.8	27
76	Selection of the cis and trans phosph(III)azane macrocycles [(P(μ -NtBu)) ₂ (1-Y-2-NH-C ₆ H ₄)] ₂ (Y=O, S). <i>Dalton Transactions</i> , 2005 , 1764-73	4.3	26
75	Direct synthesis of the 1,2,3-[C ₆ H ₄ P...P...P]- anion, isoelectronic with the indenyl anion [C ₆ H ₄ CH...CH...CH]-. <i>Chemical Communications</i> , 2008 , 859-61	5.8	25
74	Formation and structure of the [(1,2-C(6)H(4)P(2)Sb(2))(4-)] ion: implications for an extended family of isoelectronic main-group radicals. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7827-30	16.4	25
73	European Research in Focus: Mechanochemistry for Sustainable Industry (COST Action MechSustInd). <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 8-9	3.2	24
72	The folded, tetrameric phosph(III)azane macrocycle [(P(μ -NtBu)) ₂ (1,4-(NH) ₂ C ₆ H ₄)] ₄ . <i>Chemical Communications</i> , 2005 , 5041-3	5.8	24
71	Targeting large phosph(III)azane macrocycles [(P(μ -NR)) ₂ (LL)] _n (n > or = 2). <i>Dalton Transactions</i> , 2006 , 4235-43	4.3	23
70	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P ₄ (NtBu) ₆ : Enabled by Mechanochemistry. <i>Angewandte Chemie</i> , 2016 , 128, 12928-12932	3.6	21
69	Suggestion of a "twist" mechanism in the oligomerisation of a dimeric phosphazane: insights into the selection of adamantoid and macrocyclic alternatives. <i>Chemistry - A European Journal</i> , 2002 , 8, 5723-31	4.8	21
68	The first example of a Si-bridged tris(pyridyl) ligand; synthesis and structure of [MeSi(2-C ₅ H ₄ N) ₃ LiX](X = 0.2Br, 0.8Cl). <i>Dalton Transactions</i> , 2004 , 361-2	4.3	21
67	Synthesis and Hydrolytic Studies on the Air-Stable [(4-CN-PhO)(E)P(E(NtBu)) ₂ (E = O, S, and Se) Cyclodiphosphazanes. <i>Inorganic Chemistry</i> , 2015 , 54, 6423-32	5.1	20
66	Synthesis and the Optical and Electrochemical Properties of Indium(III) Bis(arylimino)acenaphthene Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 7811-7820	5.1	20
65	Ansa-tris(allyl) complexes of alkali metals: tripodal analogues of cyclopentadienyl and ansa-metallocene ligands. <i>Chemical Communications</i> , 2007 , 5081-3	5.8	20

64	Reactions of Sn(NMe ₂) ₂ with Alkali-Metal tert-Butylphosphides tBuPHM (M = Li, Na, K): Evidence for Metal-Induced Modification of the Tin(II) Phosphinidene Anions. <i>Organometallics</i> , 2006 , 25, 3275-3281	3.8	20
63	Steric control in the oligomerisation of phosphazane dimers; towards new phosphorus-nitrogen macrocycles. <i>Dalton Transactions</i> , 2004 , 807-12	4.3	20
62	The first complex of the pentameric phosphazane macrocycle [P(ENtBu) ₂ (ENH)] ₅ with a neutral molecular guest: Synthesis and structure of [P(ENtBu) ₂ (ENH)] ₅ (CH ₂ Cl ₂) ₂ . <i>Inorganic Chemistry Communication</i> , 2005 , 8, 1060-1062	3.1	19
61	Inverse coordination of an ionic lattice by a metal host. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5729-33	16.4	19
60	Mechanochemical Synthesis of Phosphazane-Based Frameworks. <i>Chemistry - A European Journal</i> , 2017 , 23, 11279-11285	4.8	17
59	The cationic cluster Grignard [MgCl(thf) ₂] ₃ (μ ₃ -C ₃ H ₅) ₂ ⁺ . <i>Chemical Communications</i> , 2006 , 2039-41	5.8	17
58	Mechanochemical Synthesis of Corannulene-Based Curved Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21620-21626	16.4	17
57	Orthogonality in main group compounds: a direct one-step synthesis of air- and moisture-stable cyclophosphazanes by mechanochemistry. <i>Chemical Communications</i> , 2018 , 54, 6800-6803	5.8	16
56	Stepwise nucleophilic substitution of manganocene, syntheses and structures of the dimer [CpMn(hpp)] ₂ and the unusual manganate cage [LiMn(hpp) ₃] ₂ (hppH = 1,3,4,6,7,8-hexahydro-2H-pyrimido[1,2,a]pyrimidine). <i>Dalton Transactions</i> , 2007 , 1570-2	4.3	16
55	Adventures in Tin(II) phosphinidene chemistry; insights into the mechanism of P-P and Sn-Sn bond formation. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 1673-1680	2.3	16
54	thermodynamic/kinetic control in the isomerization of the [tBuNP(μ-NtBu)] ₂ ²⁻ ion. <i>Chemistry - A European Journal</i> , 2004 , 10, 2271-6	4.8	16
53	Quadruple deprotonation of 2-aminophenylphosphane with a p-block-metal/alkali-metal base. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3456-9	16.4	16
52	Mechanochemical Rearrangements. <i>Journal of Organic Chemistry</i> , 2021 , 86, 13885-13894	4.2	15
51	Synthesis, structural studies and ligand influence on the stability of aryl-NHC stabilised trimethylaluminium complexes. <i>Dalton Transactions</i> , 2015 , 44, 15166-74	4.3	14
50	Reactions of Sn(NMe ₂) ₂ with MPHcy: the effects of alkali metal phosphide coupling (Cy=cyclohexyl; M=Li, Na, K, Rb). <i>Chemistry - A European Journal</i> , 2007 , 13, 1078-89	4.8	14
49	Formation and Structure of the [(1,2-C ₆ H ₄ P ₂ Sb) ₂] ₄ ⁰ Ion: Implications for an Extended Family of Isoelectronic Main-Group Radicals. <i>Angewandte Chemie</i> , 2007 , 119, 7973-7976	3.6	14
48	Reactions of Sn(NMe ₂) ₂ with Primary Aryl Phosphides, ArPH: Synthesis and Structures of the Heteroleptic Cages [P(Ph)P(Ph)Sn(Ph)] ₂ (Na[PMDETA]) ₄ and [Sn(β-Ppy)] ₃ [Sn(β,β-pyPpy)] ₃ . <i>Organometallics</i> , 2005 , 24, 1813-1818	3.8	14
47	Upscaling Mechanochemistry: Challenges and Opportunities for Sustainable Industry. <i>Trends in Chemistry</i> , 2021 , 3, 335-339	14.8	14

46	Pyridyl ring-flipping in the dimers $[\text{Me}_2\text{E}(\text{2-py})]_2$ (E=B, Al, Ga; 2-py=2-pyridyl). <i>Chemical Communications</i> , 2007 , 586-8	5.8	13
45	Structural, solid-state NMR and theoretical studies of the inverse-coordination of lithium chloride using group 13 phosphide hosts. <i>Chemistry - A European Journal</i> , 2007 , 13, 1251-60	4.8	13
44	Triphosph(III)azanes to diphosph(III)azanes; a cracking transformation. <i>Dalton Transactions</i> , 2005 , 2495-6	4.3	13
43	Aryl-NHC-group 13 trimethyl complexes: structural, stability and bonding insights. <i>Dalton Transactions</i> , 2017 , 46, 854-864	4.3	12
42	Enabling Mitochondrial Uptake of Lipophilic Dications Using Methylated Triphenylphosphonium Moieties. <i>Inorganic Chemistry</i> , 2019 , 58, 8293-8299	5.1	12
41	Steric C-N bond activation on the dimeric macrocycle $[\{\text{P}(\text{ENR})\}_2\{\text{ENR}\}]_2$. <i>Chemical Communications</i> , 2015 , 51, 16468-71	5.8	12
40	Formation and decomposition of the Sb(III)/Li cage $[\{\text{Sb}(\text{P-t-Bu})_3\}_2\text{Li}_6\{\text{t-Bu}\}]$. <i>Canadian Journal of Chemistry</i> , 2002 , 80, 1421-1427	0.9	12
39	Robust Cobalt Catalyst for Nitrile/Alkyne [2+2+2] Cycloaddition: Synthesis of Polyarylpyridines and Their Mechanochemical Cyclodehydrogenation to Nitrogen-Containing Polyaromatics*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9627-9634	16.4	12
38	Reactions of metallated cyclohexyl phosphine (CyPHM) with $\text{As}(\text{NMe}_2)_3$; synthesis of $[(\text{CyP})_4\text{As}]^{\ominus}$ anions (M = Li or Na, Cy = cyclohexyl). <i>Dalton Transactions</i> , 2003 , 1143-1147	4.3	11
37	Synthesis and structure of $[\{\text{Sb}(\text{ENCy})\}_2\{\text{EN}\}]_3(\text{Li}\{\text{THF}\})_3(\text{LiNNH})$, containing a macrocyclic $[\{\text{Sb}(\text{ENCy})\}_2\text{N}]_3^{\ominus}$ trianion. <i>Dalton Transactions RSC</i> , 2002 , 481-483		11
36	Multigram Mechanochemical synthesis of a Salophen Complex: A Comparative Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1152-1160	8.3	11
35	Bay-Region Functionalisation of Ar-BIAN Ligands and Their Use Within Highly Absorptive Cationic Iridium(III) Dyes. <i>Scientific Reports</i> , 2017 , 7, 15520	4.9	10
34	Selective formation of the $[\text{PhP}(\text{H})\text{-PPh}]^{\ominus}$ anion in the reaction of $\text{PhP}(\text{H})\text{Li}$ with MeAlCl_2 ; synthesis and structure of the unusual tetramer $[(\text{PhP}(\text{H})\text{-PPh})\text{Li}\cdot\text{thf}]_4$. <i>Dalton Transactions</i> , 2004 , 977-9	4.3	10
33	Synthesis and structure of the Li_{13} cage $[[[\text{O-P}(\mu\text{-NtBu})]_2\text{Li}_2]_3(\text{LiCl})_6\text{Li}(\text{Cl}/\text{OnBu})_0.5(\text{thf})_7]$, containing a $[\text{O-P}(\mu\text{-NtBu})]_2^{2-}$ dianion. <i>Chemical Communications</i> , 2008 , 2251-3	5.8	9
32	A one-pot synthesis to $[(\text{Me}_3\text{Si})_3\text{SiSb}]_4$; a potential precursor for Sb^{4-} . <i>Dalton Transactions</i> , 2004 , 2051-2	4.3	8
31	Quadruple Deprotonation of 2-Aminophenylphosphane with a p-Block-Metal/Alkali-Metal Base. <i>Angewandte Chemie</i> , 2005 , 117, 3522-3525	3.6	8
30	cis-Cyclodiphosph(V/V)azanes as highly stable and robust main group supramolecular building blocks. <i>CrystEngComm</i> , 2018 , 20, 5998-6004	3.3	8
29	Mechanosynthesis of Higher-Order Cocrystals: Tuning Order, Functionality and Size in Cocrystal Design*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17481-17490	16.4	8

28	Site-selective aromatic C-H iodination with a cyclic iodine(III) electrophile in solution and solid phases. <i>Chemical Science</i> , 2020 , 11, 7356-7361	9.4	7
27	π -Bonding versus oligomerisation in the aromatic anions $[C(6)H(4)N(2)E]^-$: formation of the cyclic tetrameric tetraanion $[C(6)H(4)N(2)Sb]^{4-}$. <i>Dalton Transactions</i> , 2008 , 997-9	4.3	7
26	Synthesis and Structure of $[Sn_2(EPMe)_3]_2K_2[BTHF]$ Exhibiting Multifunctional Coordination of $[Sn_2(EPMe)_3]_2$ -Anions to K^+ . <i>Organometallics</i> , 2004 , 23, 4821-4823	3.8	7
25	Synthesis of Unique Phosphazane Macrocycles via Steric Activation of C-N Bonds. <i>Inorganic Chemistry</i> , 2018 , 57, 10993-11004	5.1	6
24	Confinement of halide ions within homologous inverse coordination hosts; modification of halide-ion selectivity. <i>Chemical Communications</i> , 2011 , 47, 1821-3	5.8	6
23	Efficient synthesis of brominated tetrathiafulvalene (TTF) derivatives: solid-state structure and electrochemical behaviour. <i>Tetrahedron</i> , 2006 , 62, 8152-8157	2.4	6
22	Primary amido and phosphido complexes of zinc: potential precursors to heterometallic arrangements. <i>Inorganica Chimica Acta</i> , 2003 , 354, 41-48	2.7	6
21	Inverse Coordination of an Ionic Lattice by a Metal Host. <i>Angewandte Chemie</i> , 2005 , 117, 5875-5879	3.6	6
20	Mechanochemical Synthesis of Corannulene-Based Curved Nanographenes. <i>Angewandte Chemie</i> , 2020 , 132, 21804-21810	3.6	6
19	Trapping of Oligomeric Cyclopentadienyllithium Cationic and Anionic Fragments by a V-V-Bonded Ligand. <i>Angewandte Chemie</i> , 2007 , 119, 5521-5523	3.6	5
18	Reductive-elimination of phosphide units; the basis of a general approach to a range of alloys and materials. <i>Journal of Materials Chemistry</i> , 2004 , 14, 3093-3100		5
17	Syntheses and structures of the cubanes $[PhOSb(\mu_3-NCy)]_4$ and $[pyOBI(\mu_3-NCy)]_4$ (Cy = cyclohexyl, py = 2-pyridyl). <i>Dalton Transactions RSC</i> , 2002 , 4629-4633		5
16	Synthesis and structure of $[[MeAl(\mu-PMes)(PMes)]_2Li_4]_2 \times 7thf$, containing a $[MeAl(\mu-PMes)(PMes)]_2^{4-}$ tetraanion (Mes = 2,4,6-Me ₃ C ₆ H ₂). <i>Chemical Communications</i> , 2003 , 2052-3 ^{5.8}		4
15	Mechanochemical transformation of planar polyarenes to curved fused-ring systems. <i>Nature Communications</i> , 2021 , 12, 5187	17.4	4
14	Syntheses and structures of $[Me_2Si\{As(PtBu)_3\}_2]$ and $[(CyP)_3SiMe_2]$ (Cy=cyclohexyl, C ₆ H ₁₁). <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 1069-1073	2.3	3
13	Syntheses and structures of the heterometallic complexes $[(MeIn(EPcy))_2(EPcy)]_2(Li \cdot Et_2O)_4$, $[Me_2In(PhMes)_2][Li(TMEDA)_2]^+$ and $[Me_2(PHMe)_2In][K(PMDETA)_2]^+$ [Cy = cyclohexyl, Mes = 2,4,6-Me ₃ C ₆ H ₂ , TMEDA = (Me ₂ NCH ₂) ₂ , PMDETA = (Me ₂ NCH ₂ CH ₂) ₂ NMe]. <i>Inorganica Chimica Acta</i> , 2007 , 360, 1266-1273	2.7	3
12	Synthesis of a deca-lithium cage containing an $[(RN)_2As(\mu-NR)As(NR)_2]_4^-$ tetraanion; a homologue of group 15 trianions of the type $[E(NR)_3]^{3-}$. <i>Chemical Communications</i> , 2002 , 1276-7	5.8	3
11	N-Bridged Acyclic Trimeric Poly-Cyclodiphosphazanes: Highly Tuneable Cyclodiphosphazane Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22100-22108	16.4	3

10	Size-control in the synthesis of oxo-bridged phosphazane macrocycles via a modular addition approach. <i>Communications Chemistry</i> , 2021 , 4,	6.3	3
9	Mechanochemical Synthesis of Tripodal Tris[4-(1,2,3-triazol-5-ylidene)methyl]amine Mesoionic Carbene Ligands and Their Complexation with Silver(I). <i>Inorganic Chemistry</i> , 2021 , 60, 3556-3564	5.1	3
8	N-Bridged Acyclic Trimeric Poly-Cyclodiphosphazanes: Highly Tuneable Cyclodiphosphazane Building Blocks. <i>Angewandte Chemie</i> , 2020 , 132, 22284-22292	3.6	2
7	Robust Cobalt Catalyst for Nitrile/Alkyne [2+2+2] Cycloaddition: Synthesis of Polyarylpyridines and Their Mechanochemical Cyclodehydrogenation to Nitrogen-Containing Polyaromatics**. <i>Angewandte Chemie</i> , 2021 , 133, 9713-9720	3.6	2
6	Alkyl aryl modifications: a comparative study on modular modifications of triphenylphosphonium mitochondrial vectors.. <i>RSC Chemical Biology</i> , 2021 , 2, 1643-1650	3	2
5	Rhenium carbonyl complexes bearing methylated triphenylphosphonium cations as antibody-free mitochondria trackers for X-ray fluorescence imaging. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 3905-3915	6.8	2
4	Metal Complexes in Mechanochemistry 2021 , 620-679		2
3	Synthesis, properties, and catalysis of p-block complexes supported by bis(arylimino)acenaphthene ligands. <i>Communications Chemistry</i> , 2020 , 3,	6.3	1
2	Mechanosynthesis of Higher-Order Cocrystals: Tuning Order, Functionality and Size in Cocrystal Design**. <i>Angewandte Chemie</i> , 2021 , 133, 17622-17631	3.6	0
1	Investigating the solid-state assembly of pharmaceutically-relevant N,N-dimethyl-O-thiocarbamates in the absence of labile hydrogen bonds. <i>CrystEngComm</i> , 2020 , 22, 8290 ³ 8298		