Pascual OÃ±a-Burgos

List of Publications by Year
in descending order

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51 papers	1,746 citations	279798 23 h-index	276875 41 g-index
58 all docs	58 docs citations	58 times ranked	2171 citing authors

#	Article	IF	Citations
1	Tailoring graphene-supported Ru nanoparticles by functionalization with pyrene-tagged N-heterocyclic carbenes. Catalysis Science and Technology, 2022, 12, 1257-1270.	4.1	9
2	Bimetallic Intersection in PdFe@FeO_xâ€C Nanomaterial for Enhanced Water Splitting Electrocatalysis. Advanced Sustainable Systems, 2022, 6, .	5.3	8
3	Enzyme-like activity of cobalt-MOF nanosheets for hydrogen peroxide electrochemical sensing. Sensors and Actuators B: Chemical, 2022, 368, 132129.	7.8	30
4	Cobalt nanoclusters coated with N-doped carbon for chemoselective nitroarene hydrogenation and tandem reactions in water. Green Chemistry, 2021, 23, 4490-4501.	9.0	31
5	Rh₂P Nanoparticles Stabilized by Carbon Patches for Hydroformylation of Olefins. ACS Applied Nano Materials, 2021, 4, 10743-10753.	5.0	12
6	Tailoring the electron density of cobalt oxide clusters to provide highly selective superoxide and peroxide species for aerobic cyclohexane oxidation. Dalton Transactions, 2021, 50, 15370-15379.	3.3	11
7	Cobalt Metalâ€“Organic Framework Based on Layered Double Nanosheets for Enhanced Electrocatalytic Water Oxidation in Neutral Media. Journal of the American Chemical Society, 2020, 142, 19198-19208.	13.7	64
8	MOFâ€Mediated Synthesis of Supported Feâ€Doped Pd Nanoparticles under Mild Conditions for Magnetically Recoverable Catalysis**. Chemistry - A European Journal, 2020, 26, 13659-13667.	3.3	9
9	Use of Alkylarsonium Directing Agents for the Synthesis and Study of Zeolites. Chemistry - A European Journal, 2019, 25, 16390-16396.	3.3	6
10	Diffusion NMR spectroscopy applied to coordination and organometallic compounds. Annual Reports on NMR Spectroscopy, 2019, 98, 125-191.	1.5	3
11	Iron-Catalyzed Homogeneous Hydrosilylation of Ketones and Aldehydes: Advances and Mechanistic Perspective. ACS Catalysis, 2019, 9, 5400-5417.	11.2	71
12	Cobalt Metalâ€“Organic Framework Based on Two Dinuclear Secondary Building Units for Electrocatalytic Oxygen Evolution. ACS Applied Materials & Interfaces, 2019, 11, 46658-46665.	8.0	40
13	A new anthraquinoid ligand for the iron-catalyzed hydrosilylation of carbonyl compounds at room temperature: new insights and kinetics. Dalton Transactions, 2018, 47, 7272-7281.	3.3	13
14	Cobalt Catalysts for Alkene Hydrosilylation under Aerobic Conditions without Dry Solvents or Additives. European Journal of Inorganic Chemistry, 2018, 2018, 4867-4874.	2.0	24
15	Elucidation of the Interaction Mechanism between Organic Chiral Cages with Biomolecules through Nuclear Magnetic Resonance and Theoretical Studies. Journal of Physical Chemistry C, 2018, 122, 16821-16829.	3.1	2
16	Hydrosilylation of Carbonyl Compounds Catalyzed through a Lithiated Hydrazone Derivative. Organometallics, 2018, 37, 2682-2689.	2.3	13
17	Unprecedented Spectroscopic and Computational Evidence for Allenyl and Propargyl Titanocene(IV) Complexes: Electrophilic Quenching of Their Metallotropic Equilibrium. Chemistry - A European Journal, 2016, 22, 2427-2439.	3.3	14
18	Efficient Hydrosilylation of Acetophenone with a New Anthraquinonic Amide-Based Iron Precatalyst. Organometallics, 2016, 35, 4083-4089.	2.3	20

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19	Difluoroborenium Cation Stabilized by Hexaphenylâ€Carbodiphosphorane: A Concise Study on the Molecular and Electronic Structure of [(Ph₃P)₂Câ‡‰BF₂][BF₄]. European Journal of Inorganic Chemistry, 2016, 2016, 3852-3858.	2.0	17
20	Molecular weight prediction with no dependence on solvent viscosity. A quantitative pulse field gradient diffusion NMR approach. Polymer Chemistry, 2016, 7, 4326-4329.	3.9	23
21	Peptoidâ€Ligated Pentadecanuclear Yttrium and Dysprosium Hydroxy Clusters. Chemistry - A European Journal, 2015, 21, 2713-2713.	3.3	2
22	(Iminophosphoranyl)(thiophosphoranyl)methane rare-earth borohydride complexes: synthesis, structures and polymerization catalysis. Dalton Transactions, 2015, 44, 12338-12348.	3.3	12
23	Mechanistic Investigations of Water Oxidation by a Molecular Cobalt Oxide Analogue: Evidence for a Highly Oxidized Intermediate and Exclusive Terminal Oxo Participation. Journal of the American Chemical Society, 2015, 137, 12865-12872.	13.7	124
24	Peptoidâ€Ligated Pentadecanuclear Yttrium and Dysprosium Hydroxy Clusters. Chemistry - A European Journal, 2015, 21, 2813-2820.	3.3	27
25	Coinage Metal Complexes of Tris(pyrazolyl)methanide-Based Redox-Active Metalloligands. Organometallics, 2014, 33, 941-951.	2.3	26
26	A metallacyclic alkyl-amido carbene complex (MCAAC). Dalton Transactions, 2014, 43, 4313.	3.3	11
27	Exploring the solution behavior of f-element coordination compounds: a case study on some trivalent rare earth and plutonium complexes. Chemical Science, 2013, 4, 3717.	7.4	14
28	Chiral Rare Earth Borohydride Complexes Supported by Amidinate Ligands: Synthesis, Structure, and Catalytic Activity in the Ring-Opening Polymerization of rac-Lactide. Organometallics, 2013, 32, 1230-1238.	2.3	67
29	On the Solution Behaviour of Benzyllithiumâ€...(â˜)â€Sparteine Adducts and Related Lithium Organyls â€“ A Case Study on Applying ⁷Li,¹⁵N{¹H}â€‰HMQC and Further NMR Methods, Including Some Investigation into Asymmetric Synthesis. Chemistry - A European Journal, 2013, 19, 691-701.	3.3	12
30	Electronic effects of triarylphosphines in metal-free hydrogen activation: a kinetic and computational study. Chemical Science, 2013, 4, 2788.	7.4	93
31	Heterobimetallic Cuprates Consisting of a Redoxâ€Switchable, Siliconâ€Based Metalloligand: Synthesis, Structures, and Electronic Properties. Chemistry - A European Journal, 2013, 19, 8436-8446.	3.3	27
32	Homoleptic Tetrakis(silyl) Complexes of Pd⁰ and Pt⁰ Featuring Metalâ€Centred Heterocubane Structures: Evidence for the Existence of the Corresponding Mononuclear Pd^I and Pt^I Complexes. Chemistry - A European Journal, 2013, 19, 17899-17906.	3.3	20
33	[Ln(BH₄)₂(THF)₂] (Ln = Eu, Yb)â€”A Highly Luminescent Material. Synthesis, Properties, Reactivity, and NMR Studies. Journal of the American Chemical Society, 2012, 134, 16983-16986.	13.7	97
34	Mechanisms of Stereomutation and Thermolysis of Spiro-1,2-oxaphosphetanes: New Insights into the Second Step of the Wittig Reaction. Journal of the American Chemical Society, 2012, 134, 19504-19507.	13.7	27
35	Metalâ€free Catalytic Olefin Hydrogenation: Lowâ€Temperature H₂â€…Activation by Frustrated Lewis Pairs. Angewandte Chemie - International Edition, 2012, 51, 10164-10168.	13.8	230
36	Alkynyl-functionalised and linked bicyclo[1.1.1]pentanes of group 14. Chemical Communications, 2012, 48, 6803.	4.1	7

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37	[2.2]Paracyclophane derived bisphosphines for the activation of hydrogen by FLPs: application in domino hydrosilylation/hydrogenation of enones. Dalton Transactions, 2012, 41, 9056.	3.3	58
38	Catching Gaseous SO₂ in Coneâ€Type Lanthanide Complexes: An Unexpected Coordination Mode for SO₂ in fâ€Element Chemistry. Angewandte Chemie - International Edition, 2012, 51, 5006-5010.	13.8	35
39	¹H,⁸⁹Y HMQC and Further NMR Spectroscopic and Xâ€ray Diffraction Investigations on Yttriumâ€Containing Complexes Exhibiting Various Nuclearities. Chemistry - A European Journal, 2012, 18, 5325-5334.	3.3	29
40	Synthesis and structure of tridentate bis(phosphinic amide)-phosphine oxide complexes of yttrium nitrate. Applications of 31P,89Y NMR methods in structural elucidation in solution. Dalton Transactions, 2011, 40, 6691.	3.3	21
41	Tuning the Gap: Electronic Properties and Radical-Type Reactivities of Heteronuclear [1.1.1]Propellanes of Heavier Group 14 Elements. Organometallics, 2011, 30, 1419-1428.	2.3	34
42	Sodium and Potassium Salts of Monoâ€and Dianionic Î±â€Iminopyridines. Chemistry - A European Journal, 2011, 17, 10814-10819.	3.3	18
43	Solution and Computed Structure of o-Lithium N,N-Diisopropyl-P,P-diphenylphosphinic Amide. Unprecedented Liâ^'Oâ^'Liâ^'O Self-Assembly of an Aryllithium. Journal of the American Chemical Society, 2010, 132, 5193-5204.	13.7	22
44	Enantioselective Desymmetrization of Diphenylphosphinamides via (â^')-Sparteine-Mediated Ortho-Lithiation. Synthesis of P-Chiral Ligands. Organic Letters, 2010, 12, 428-431.	4.6	50
45	Octahedral iron(ii) phthalocyanine complexes: multinuclear NMR and relevance as NO2 chemical sensors. Dalton Transactions, 2010, 39, 6231.	3.3	25
46	An Unprecedented Phosphinamidic Gold(III) Metallocycle: Synthesis via Tin(IV) Precursors, Structure, and Multicomponent Catalysis. Organometallics, 2009, 28, 1739-1747.	2.3	51
47	7Li,15N heteronuclear multiple quantum shift correlationâ€"a fast and reliable 2D NMR method on natural abundant nuclei. Chemical Communications, 2009, , 2586.	4.1	24
48	Phosphinamide-Directed Benzylic Lithiation. Application to the Synthesis of Peptide Building Blocks. Organic Letters, 2008, 10, 537-540.	4.6	31
49	Asymmetric Deprotonationâ^'Substitution of N-Pop-benzylamines Using [RLi/(â^')-Sparteine]. Enantioselective Sequential Reactions and Synthesis of N-Heterocycles. Organic Letters, 2008, 10, 3195-3198.	4.6	22
50	Phosphinamide-Directed ortho Metalations: Application to the DesymÂmetrization of the Diphenylphosphoryl Group. Synlett, 2007, 2007, 0611-0614.	1.8	2
51	Influence of Substitution at the Benzylic Position on the Behavior of Stereoisomeric Phosphorus Compounds as Precursors of Stabilized Carbon-Centered Radicals. Organic Letters, 2005, 7, 3869-3872.	4.6	13