# JesÃºs R. Berenguer

List of Publications by Year
in descending order



| 70 | 2,100 | 172386 | 276775 |
|---|---|---|---|
| papers | citations | 29 h-index | 41 g-index |

| 73 | 73 | 73 | 1474 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An overview of the chemistry of homo and heteropolynuclear platinum complexes containing bridging acetylide (Î¼-Câ‰¡CR) ligands. Coordination Chemistry Reviews, 2010, 254, 832-875. | 9.5 | 98 |
| 2 | Unusual bridging of the metal centers in a heterometallic titanium-platinum complex. X-ray structure of [Cp2Ti(.mu.2-.eta.1-C.tplbond.C-tert-Bu)2Pt(C6F5)2].cntdot.CH2Cl2. Organometallics, 1993, 12, 6-7. | 1.1 | 69 |
| 3 | A Polymeric Platinum(II)â^'Thallium(I) Complex Stabilized by Alkynylâ^'Thallium and Platinumâ^'Thallium Bonding Interactions. Inorganic Chemistry, 1997, 36, 6461-6464. | 1.9 | 66 |
| 4 | Synthesis, Characterization and Photophysics of a New Series of Anionic C,N,C Cyclometalated Platinum Complexes. Inorganic Chemistry, 2007, 46, 9919-9930. | 1.9 | 63 |
| 5 | Facile Metalation of Hbzq by [cis-Pt(C<sub>6</sub>F<sub>5</sub>)<sub>2</sub>(thf)<sub>2</sub>]: A Route to a Pentafluorophenyl Benzoquinolate Solvate Complex That Easily Coordinates Terminal Alkynes. Spectroscopic and Optical Properties. Inorganic Chemistry, 2012, 51, 11665-11679. | 1.9 | 60 |
| 6 | Four Thallium(I) Ions Sandwiched by Two Tetraalkynylplatinate ([Pt(Câ‹®CR)4]2-) Fragments:â€‰ Synthesis and Luminescent Behavior of Pt2Tl4 Species. Organometallics, 2001, 20, 4847-4851. | 1.1 | 55 |
| 7 | Luminescent cyclometalated-pentafluorophenyl Pt II , Pt IV and heteropolynuclear complexes. Coordination Chemistry Reviews, 2018, 366, 69-90. | 9.5 | 55 |
| 8 | Reactions of (Ïƒ-Alkynyl)platinum Complexes with [Pd(Î·3-C3H5)Cl]2. Synthesis of Bis(Î·2-alkyne)(Î·3-allyl)palladium(II) Complexes. Crystal and Molecular Structure of [cis-(PPh3)2Pt(Î¼-Î·1:Î·2-Câ‹®CtBu)2Pd(Î·3-C3H5)](ClO4). Organometallics, 1996, 15, 4537-4546. | 1.1 | 53 |
| 9 | Novel Luminescent Mixed-Metal Ptï£¿Tl-Alkynyl-Based Complexes: The Role of the Alkynyl Substituent in Metallophilic and Î·2(Ï€â‹…â‹…â‹…Tl)-Bonding Interactions. Chemistry - A European Journal, 2006, 12, 785-795. | 1.7 | 53 |
| 10 | Influence of the Ptâ†'Ag Donorâ^'Acceptor Bond and Polymorphism on the Spectroscopic and Optical Properties of Heteropolynuclear Benzoquinolateplatinum(II) Complexes. Organometallics, 2006, 25, 4331-4340. | 1.1 | 52 |
| 11 | Synthesis, Characterization, and Reactivity of New Alkynyl Complexes of Rhodium and Iridium:Â Preparation of Neutral (Mâ^'Mâ€˜:Â M = Rh, Ir; Mâ€˜ = Pt, Pd) Hetero-Alkynyl-Bridged Dinuclear Complexes. Organometallics, 1998, 17, 4578-4596. | 1.1 | 51 |
| 12 | Luminescent Cycloplatinated Complexes Containing Poly(pyrazolyl)-borate and -methane Ligands. Organometallics, 2011, 30, 5776-5792. | 1.1 | 47 |
| 13 | [Pt]2Pb Trinuclear Systems: Impact of the Anionic Platinum Fragment on the Lead Environment and Photoluminescence. Inorganic Chemistry, 2008, 47, 7703-7716. | 1.9 | 46 |
| 14 | Synthesis, characterization and luminescence properties of homoleptic platinum(ii) acetylide complexes. Dalton Transactions, 2003, , 4331-4339. | 1.6 | 42 |
| 15 | Synthesis of mesoporous metal complex-silica materials and their use as solvent-free catalysts. New Journal of Chemistry, 2011, 35, 225-234. | 1.4 | 42 |
| 16 | Solâ€“Gel Coordination Chemistry: Building Catalysts from the Bottomâ€Up. ChemCatChem, 2013, 5, 844-860. | 1.8 | 41 |
| 17 | Photophysical Responses in Pt<sub>2</sub>Pb Clusters Driven by Solvent Interactions and Structural Changes in the Pb<sup>II</sup> Environment. Inorganic Chemistry, 2014, 53, 8770-8785. | 1.9 | 41 |
| 18 | Unusual stabilization of cationic â€œM(Î·3-allyl)+n (M î—» Pt, Pd) units by a dianionic cis-{Pt(C6F5)2(Cî—¼CSiMe3)2}2â^' fragment. Journal of Organometallic Chemistry, 1994, 470, C15-C18. | 0.8 | 39 |

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|---|---|---|---|
| 19 | Synthesis, structures and photophysics of novel luminescent platinumâ€“copper complexes. Journal of Organometallic Chemistry, 2003, 670, 221-234. | 0.8 | 38 |
| 20 | Synthesis and characterization of cationic heteronuclear complexes of platinum(II) and silver( I) bridged by alkynyl ligands. Journal of Organometallic Chemistry, 1996, 510, 63-70. | 0.8 | 35 |
| 21 | Synthesis, Photophysical Properties, and Theoretical Studies of Hydrideâ^'Alkynyl Platinum(II) Complexes. Molecular Structures of [trans-PtH(Câ‹®CC5H4N-2)(PPh3)2] and [Pt(Î·2-HCâ‹®CCPh2OH)(PPh3)2]. Organometallics, 2000, 19, 4385-4397. | 1.1 | 35 |
| 22 | Luminescent pentafluorophenyl-cycloplatinated complexes: synthesis, characterization, photophysics, cytotoxicity and cellular imaging. Dalton Transactions, 2015, 44, 18839-18855. | 1.6 | 35 |
| 23 | Synthesis and characterization of bis(Î·2-alkyne)dihalogeno-mercury(II) compounds: crystal structure of [NBu4]2-[{cis-Pt(C6F5)2(Cî€‡CSiMe3)2}HgBr2]Â·CH2Cl2. Journal of the Chemical Society Dalton Transactions, 1994, , 3343-3348. | 1.1 | 34 |
| 24 | Unusual Formation and Reactivity of a Diplatinum Î¼-Phenylethenylidene Complex:â€‰ Synthesis and Structures of cis,cis-[(PPh3)(C6F5)2Pt(Î¼-Î·1:Î·3-CHPhCCO)Pt(PPh3)2] and cis,cis-[(PPh3)2Pt{Î¼-Î·2(C,S):Î·1(C)-C(SPh)(CH2Ph)}Pt(C6F5)2(CO)] Dinuclear Compounds. Organometallics, 1996, 15, 1014-1022. | 1.1 | 33 |
| 25 | Synthesis of Bi- and Trinuclear Bis(alkynyl) Complexes [PtM (M = Rh, Ir), PtRh2] Starting from [cis-Pt(C6F5)2(Câ‹®CR)2]2-. Organometallics, 1999, 18, 4344-4353. | 1.1 | 33 |
| 26 | Synthesis and reactivity of bimetallic acetylide-bridged Ptî—¸Pt complexes. Crystal and molecular structure of [(PPh3)(C6F5)Pt(Î¼-Cî—¼CPh)2Pt(C6F5)(PPh3)]. Polyhedron, 1993, 12, 1797-1804. | 1.0 | 32 |
| 27 | White-emitting organometallo-silica nanoparticles for sun-like light-emitting diodes. Materials Horizons, 2019, 6, 130-136. | 6.4 | 32 |
| 28 | Binuclear Complexes and Extended Chains Featuring Pt<sup>II</sup>â€“Tl<sup>I</sup> Bonds: Influence of the Pyridine-2-Thiolate and Cyclometalated Ligands on the Self-Assembly and Luminescent Behavior. Inorganic Chemistry, 2016, 55, 7866-7878. | 1.9 | 31 |
| 29 | Luminescent Cycloplatinated Complexes with Biologically Relevant Phosphine Ligands: Optical and Cytotoxic Properties. Inorganic Chemistry, 2019, 58, 1657-1673. | 1.9 | 30 |
| 30 | Self-Assembly of Luminescent Alkynyl-Based Platinumâ^'Cadmium Complexes Containing Auxiliary Diimine or Terpyridine Ligands.. Inorganic Chemistry, 2009, 48, 5250-5262. | 1.9 | 29 |
| 31 | Hybrid Dyeâ€Titania Nanoparticles for Superior Lowâ€Temperature Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2018, 8, 1702583. | 10.2 | 29 |
| 32 | [Cp2Ti(Cï£½CtBu)2] as an Alkynyl Transfer Reagent: Synthesis and Characterization of the Asymmetrically Bridged Heterodimetallic Complex[Cp2Ti(Cï£½CtBu)2Pt(PPh3)]Â·0.5 THF. Angewandte Chemie International Edition in English, 1994, 33, 2083-2085. | 4.4 | 28 |
| 33 | [Pt(Câ‹®CR)4]2-as Double Alkynylation Reagents:Â Facile Formation of Binuclear Bis(Î¼-alkynide) (Mâ^'Pt) and Unsymmetrical Trinuclear Double Bis(Î¼-alkynide) (Mâ^'Ptâ^'Pt) Complexes. Organometallics, 2000, 19, 490-496. | 1.1 | 28 |
| 34 | Alkynyldiphenylphosphine d8(Pt, Rh, Ir) Complexes:Â Contrasting Behavior towardcis-[Pt(C6F5)2(THF)2]. Inorganic Chemistry, 2004, 43, 8185-8198. | 1.9 | 28 |
| 35 | Solvent-induced lone pair activity tuning and vapoluminescence in a Pt2Pb cluster. Chemical Communications, 2013, 49, 5067. | 2.2 | 28 |
| 36 | Diphenyl(phenylethynyl)phosphine d6 [Rh(III), Ir(III), Ru(II)] Complexes:â€‰ Preparation of Homo (Î¼-Cl)2 and Hetero (Î¼-Cl)(Î¼-PPh2Câ‹®CPh) Bridged d6â^'d8 Compounds. Organometallics, 2002, 21, 2314-2324. | 1.1 | 27 |

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|---|---|---|---|
| 37 | Synthesis of homo- and hetero-dinuclear complexes containing alkynyl bridges. Molecular structure of cis,trans-[(OC)(C6F5)2Pt(Âµ-Î·2-Cî€‡CPh)Pt(Cî€‡CPh)(PPh3)2]. Journal of the Chemical Society Dalton Transactions, 1994, , 1291-1299. | 1.1 | 26 |
| 38 | [cis-Pt(C6F5)2(Cî€‡CPh)2]2â€“as a double alkynyl transfer reagent. Synthesis and characterization of the Ir(III)-Pt(II) Tweezer complex {[(Î·5-C5Me5)(PEt3)Ir(Cî€‡CPh)2]Pt(C6F5)2}. Journal of the Chemical Society Chemical Communications, 1995, , 1227-1228. | 2.0 | 26 |
| 39 | Formation of an Unsymmetrical Ptâ^'Ir Tetraalkynyl Complex and Investigation into Subsequent Construction of Multimetallic Systems. Organometallics, 2001, 20, 2686-2696. | 1.1 | 26 |
| 40 | Synthesis, characterisation and NMR study of paramagnetic heteropolynuclear anionic Ptî—¸Co species. NBu4]2[Pt(Cî—¼CtBu)42]Â·1.5(CH3)2CO. Inorganica Chimica Acta, 1997, 264, 199-210. | 1.2 | 24 |
| 41 | (p-cymene)Ruthenium(II)(diphenylphosphino)alkyne Complexes:â€‰ Preparation of (Î¼-Cl)(Î¼-PPh2Câ‹®CR)-Bridged Ru/Pt Heterobimetallic Complexes. Organometallics, 2004, 23, 4288-4300. | 1.1 | 23 |
| 42 | Neutral PtRh2and PtRh4Tetraalkynyl Complexes. X-ray Crystal Structures of {Pt(Câ‹®CBut)4[Rh2(Î¼-X)(COD)2]2} (X = Cl, OH). Organometallics, 1997, 16, 3921-3926. | 1.1 | 22 |
| 43 | Facile Single or Double Câ^'H Bond Activation on Î·2-Platinum-Complexed Acetylenes by Interaction with [cis-PtR2S2] and [cis-PtR2(CO)S] (R = C6F5, S = Thf). Organometallics, 2005, 24, 431-438. | 1.1 | 22 |
| 44 | Mesoporous organosilicas with Pd(II) complexes in their framework. Microporous and Mesoporous Materials, 2012, 158, 300-308. | 2.2 | 22 |
| 45 | Reversible Binding of Solvent to Naked Pb<sup>II</sup> Centers in Unusual Homoleptic Alkynylâ€Based Pt<sub>2</sub>Pb<sub>2</sub> Clusters. Chemistry - A European Journal, 2014, 20, 2574-2584. | 1.7 | 22 |
| 46 | Rhomboidal Heterometallic Alkynyl Based Pt2Cd2 Clusters: Structural, Photophysical, and Theoretical Studies. Inorganic Chemistry, 2010, 49, 4232-4244. | 1.9 | 21 |
| 47 | Organotitanias: a versatile approach for band gap reduction in titania based materials. Journal of Materials Chemistry C, 2014, 2, 9497-9504. | 2.7 | 21 |
| 48 | Generation of (.mu.-Ethynediyl)(methylalkoxycarbene)diplatinum Complexes from Reaction of cis,trans-[(OC)(C6F5)2Pt(.mu.-.eta.2-C.tplbond.CSiMe3)Pt(C.tplbond.CSiMe3)L2] with ROH (R = Et, Me). Organometallics, 1995, 14, 2532-2537. | 1.1 | 18 |
| 49 | Reactivity of [trans-PtH(Câ‹®CC5H4N-2)(PPh3)2] toward [cis-Pt(C6F5)2(thf)2]. Synthesis of an Unusual Triplatinum Cluster-Substituted Platinum Complex. Organometallics, 1999, 18, 1653-1662. | 1.1 | 18 |
| 50 | Novel mixed anion [trans-Pt(Cî€,CTol)2(CN)2]2â^' as a building block of new luminescent PtIIâ€“TlI and PtIIâ€“PbII coordination polymers. Chemical Communications, 2012, 48, 6384. | 2.2 | 18 |
| 51 | New Trans-Configured Acetylideâ€“Cyanide Platinum(II) Anions: Spectroscopic and Optical Studies. Organometallics, 2013, 32, 835-845. | 1.1 | 18 |
| 52 | Key Ionic Electrolytes for Highly Selfâ€Stable Lightâ€Emitting Electrochemical Cells Based on Ir(III) Complexes. Advanced Optical Materials, 2020, 8, 2000295. | 3.6 | 18 |
| 53 | Preparation and characterisation of neutral double- and mono-alkynyl bridged diplatinum complexesâ€. Dalton Transactions RSC, 2001, , 2926-2936. | 2.3 | 17 |
| 54 | Organometallic phosphors as building blocks in solâ€“gel chemistry: luminescent organometallo-silica materials. Journal of Materials Chemistry C, 2017, 5, 9721-9732. | 2.7 | 17 |

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|---|---|---|---|
| 55 | Unexpected Thiol-Induced [2 + 2] Coupling Reaction Using a Doubly Alkynyl Bridging Diplatinum Complex as a Precursor. Organometallics, 1998, 17, 1640-1642. | 1.1 | 16 |
| 56 | Synthesis of Bis(Î·2-alkyne) Trinuclear Zwitterionic Platinum Hydride Complexes by Reaction of [trans-Pt(C6F5)2(Câ‹®CR)2]2- with the Solvento Species [trans-PtHL2(acetone)]+. Organometallics, 1996, 15, 1820-1825. | 1.1 | 15 |
| 57 | A stable luminescent hybrid mesoporous copper complexâ€“silica. Chemical Communications, 2012, 48, 8883. | 2.2 | 15 |
| 58 | Facile Single or Double Câˆ’H Bond Activation on a Cp* Ligand Promoted by the Presence of Alkynylphosphine Ligands. Organometallics, 2009, 28, 312-320. | 1.1 | 14 |
| 59 | Rearrangement or Câˆ’H Activation Processes Promoted by Reaction with the Solvate [cis-Pt(C6F5)2(thf)2]. Organometallics, 2007, 26, 1161-1172. | 1.1 | 13 |
| 60 | Unexpected Formation of Ferrocenyl(vinyl)benzoquinoline Ligands by Oxidation of an Alkyne Benzoquinolate Platinum(II) Complex. Organometallics, 2013, 32, 3943-3953. | 1.1 | 13 |
| 61 | Bottom-up construction of highly photoactive dye-sensitized titania using Ru(II) and Ir(III) complexes as building blocks. Applied Catalysis B: Environmental, 2017, 200, 93-105. | 10.8 | 13 |
| 62 | Coordination of a monomeric diphosphido platinum complex as a bridging ligand. New Journal of Chemistry, 2006, 30, 473. | 1.4 | 12 |
| 63 | Unassisted Î·2-Coordination of Polycyclic Aromatic Hydrocarbons to Platinum(II). Inorganic Chemistry, 2005, 44, 7265-7267. | 1.9 | 10 |
| 64 | Remarkable Influence of the Cyclometalating Ligand on the Nuclearity and Properties of Heterobridged (Î¼-X)(Î¼-Câ‰¡CR) Platinum(II) Complexes. Organometallics, 2011, 30, 1646-1657. | 1.1 | 10 |
| 65 | Octahedral Alkynylphosphine Ruthenium(II) Complexes: Synthesis, Structure, and Electrochemistry. Organometallics, 2011, 30, 4665-4677. | 1.1 | 9 |
| 66 | Câ€“H and Pâ€“C(Ph) activation competitive processes caused by interaction with the solvate [cis-Pt(C6F5)2(thf)2]. Dalton Transactions, 2007, , 2384-2393. | 1.6 | 8 |
| 67 | Platinum(0) Complexes with Alkynylphosphane Ligands. European Journal of Inorganic Chemistry, 2012, 2012, 3645-3654. | 1.0 | 8 |
| 68 | Versatile Biogenic Electrolytes for Highly Performing and Selfâ€Stable Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2022, 32, . | 7.8 | 8 |
| 69 | Versatile Homoleptic Naphthylâ€Acetylide Heteronuclear [Pt 2 M 4 (Cï£½Câ€Np) 8 ] (M = Ag, Cu) Phosphors for Highly Efficient White and NIR Hybrid Lightâ€Emitting Diodes. Advanced Optical Materials, 2020, 8, 1901126. | 3.6 | 6 |
| 70 | Highly emissive hybrid mesoporous organometallo-silica nanoparticles for bioimaging. Materials Advances, 2022, 3, 3582-3592. | 2.6 | 4 |