

Jesús R. Berenguer

List of Publications by Year in descending order

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70
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#	ARTICLE	IF	CITATIONS
1	Highly emissive hybrid mesoporous organometallo-silica nanoparticles for bioimaging. <i>Materials Advances</i> , 2022, 3, 3582-3592.	2.6	4
2	Versatile Biogenic Electrolytes for Highly Performing and Self-Stable Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	8
3	Versatile Homoleptic Naphthylacetylide Heteronuclear [Pt ₂ M ₄ (C≡C) _{1/2} (Np) ₈] (M = Ag, Cu) Phosphors for Highly Efficient White and NIR Hybrid Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020, 8, 1901126.	3.6	6
4	Key Ionic Electrolytes for Highly Self-Stable Light-Emitting Electrochemical Cells Based on Ir(III) Complexes. <i>Advanced Optical Materials</i> , 2020, 8, 2000295.	3.6	18
5	White-emitting organometallo-silica nanoparticles for sun-like light-emitting diodes. <i>Materials Horizons</i> , 2019, 6, 130-136.	6.4	32
6	Luminescent Cycloplatinated Complexes with Biologically Relevant Phosphine Ligands: Optical and Cytotoxic Properties. <i>Inorganic Chemistry</i> , 2019, 58, 1657-1673.	1.9	30
7	Luminescent cyclometalated-pentafluorophenyl Pt II, Pt IV and heteropolynuclear complexes. <i>Coordination Chemistry Reviews</i> , 2018, 366, 69-90.	9.5	55
8	Hybrid Dye-Titania Nanoparticles for Superior Low-Temperature Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702583.	10.2	29
9	Organometallic phosphors as building blocks in sol-gel chemistry: luminescent organometallo-silica materials. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9721-9732.	2.7	17
10	Bottom-up construction of highly photoactive dye-sensitized titania using Ru(II) and Ir(III) complexes as building blocks. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 93-105.	10.8	13
11	Binuclear Complexes and Extended Chains Featuring Pt ^{II} -TI ^I Bonds: Influence of the Pyridine-2-Thiolate and Cyclometalated Ligands on the Self-Assembly and Luminescent Behavior. <i>Inorganic Chemistry</i> , 2016, 55, 7866-7878.	1.9	31
12	Luminescent pentafluorophenyl-cycloplatinated complexes: synthesis, characterization, photophysics, cytotoxicity and cellular imaging. <i>Dalton Transactions</i> , 2015, 44, 18839-18855.	1.6	35
13	Organotitanias: a versatile approach for band gap reduction in titania based materials. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9497-9504.	2.7	21
14	Photophysical Responses in Pt ₂ Pb Clusters Driven by Solvent Interactions and Structural Changes in the Pb ^{II} Environment. <i>Inorganic Chemistry</i> , 2014, 53, 8770-8785.	1.9	41
15	Reversible Binding of Solvent to Naked Pb ^{II} Centers in Unusual Homoleptic Alkynyl-Based Pt ₂ Pb ₂ Clusters. <i>Chemistry - A European Journal</i> , 2014, 20, 2574-2584.	1.7	22
16	Unexpected Formation of Ferrocenyl(vinyl)benzoquinoline Ligands by Oxidation of an Alkyne Benzoquinolate Platinum(II) Complex. <i>Organometallics</i> , 2013, 32, 3943-3953.	1.1	13
17	Solvent-induced lone pair activity tuning and vapoluminescence in a Pt ₂ Pb cluster. <i>Chemical Communications</i> , 2013, 49, 5067.	2.2	28
18	New Trans-Configured Acetylide-Cyanide Platinum(II) Anions: Spectroscopic and Optical Studies. <i>Organometallics</i> , 2013, 32, 835-845.	1.1	18

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19	Solâ€“Gel Coordination Chemistry: Building Catalysts from the Bottomâ€“Up. <i>ChemCatChem</i> , 2013, 5, 844-860.	1.8	41
20	Novel mixed anion [trans-Pt(Ci€CTol)2(CN)2]2âˆ´ as a building block of new luminescent Ptlâ€™Tll and Ptlâ€™Pbll coordination polymers. <i>Chemical Communications</i> , 2012, 48, 6384.	2.2	18
21	A stable luminescent hybrid mesoporous copper complexâ€™silica. <i>Chemical Communications</i> , 2012, 48, 8883.	2.2	15
22	Facile Metalation of Hbzq by [cis-Pt(C₆F₅)₂(thf)₂]: A Route to a Pentafluorophenyl Benzoquinolate Solvate Complex That Easily Coordinates Terminal Alkynes. Spectroscopic and Optical Properties. <i>Inorganic Chemistry</i> , 2012, 51, 11665-11679.	1.9	60
23	Platinum(0) Complexes with Alkynylphosphane Ligands. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3645-3654.	1.0	8
24	Mesoporous organosilicas with Pd(II) complexes in their framework. <i>Microporous and Mesoporous Materials</i> , 2012, 158, 300-308.	2.2	22
25	Synthesis of mesoporous metal complex-silica materials and their use as solvent-free catalysts. <i>New Journal of Chemistry</i> , 2011, 35, 225-234.	1.4	42
26	Luminescent Cycloplatinated Complexes Containing Poly(pyrazolyl)-borate and -methane Ligands. <i>Organometallics</i> , 2011, 30, 5776-5792.	1.1	47
27	Remarkable Influence of the Cyclometalating Ligand on the Nuclearity and Properties of Heterobridged (1/4-X)(1/4-Câ€™iCR) Platinum(II) Complexes. <i>Organometallics</i> , 2011, 30, 1646-1657.	1.1	10
28	Octahedral Alkynylphosphine Ruthenium(II) Complexes: Synthesis, Structure, and Electrochemistry. <i>Organometallics</i> , 2011, 30, 4665-4677.	1.1	9
29	An overview of the chemistry of homo and heteropolynuclear platinum complexes containing bridging acetylide (1/4-Câ€™iCR) ligands. <i>Coordination Chemistry Reviews</i> , 2010, 254, 832-875.	9.5	98
30	Rhomboidal Heterometallic Alkynyl Based Pt2Cd2 Clusters: Structural, Photophysical, and Theoretical Studies. <i>Inorganic Chemistry</i> , 2010, 49, 4232-4244.	1.9	21
31	Self-Assembly of Luminescent Alkynyl-Based Platinumâ€™Cadmium Complexes Containing Auxiliary Diimine or Terpyridine Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 5250-5262.	1.9	29
32	Facile Single or Double Câ€™H Bond Activation on a Cp* Ligand Promoted by the Presence of Alkynylphosphine Ligands. <i>Organometallics</i> , 2009, 28, 312-320.	1.1	14
33	[Pt]2Pb Trinuclear Systems: Impact of the Anionic Platinum Fragment on the Lead Environment and Photoluminescence. <i>Inorganic Chemistry</i> , 2008, 47, 7703-7716.	1.9	46
34	Rearrangement or Câ€™H Activation Processes Promoted by Reaction with the Solvate [cis-Pt(C6F5)2(thf)2]. <i>Organometallics</i> , 2007, 26, 1161-1172.	1.1	13
35	Synthesis, Characterization and Photophysics of a New Series of Anionic C,N,C Cyclometalated Platinum Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 9919-9930.	1.9	63
36	Câ€™H and Pâ€™C(Ph) activation competitive processes caused by interaction with the solvate [cis-Pt(C6F5)2(thf)2]. <i>Dalton Transactions</i> , 2007, , 2384-2393.	1.6	8

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37	Influence of the Pt ⁺ Ag Donor-Acceptor Bond and Polymorphism on the Spectroscopic and Optical Properties of Heteropolynuclear Benzoquinolateplatinum(II) Complexes. <i>Organometallics</i> , 2006, 25, 4331-4340.	1.1	52
38	Coordination of a monomeric diphosphido platinum complex as a bridging ligand. <i>New Journal of Chemistry</i> , 2006, 30, 473.	1.4	12
39	Novel Luminescent Mixed-Metal Pt ₂ Tl-Alkynyl-Based Complexes: The Role of the Alkynyl Substituent in Metallophilic and σ -Bonding Interactions. <i>Chemistry - A European Journal</i> , 2006, 12, 785-795.	1.7	53
40	Unassisted σ -Coordination of Polycyclic Aromatic Hydrocarbons to Platinum(II). <i>Inorganic Chemistry</i> , 2005, 44, 7265-7267.	1.9	10
41	Facile Single or Double C-H Bond Activation on σ -Platinum-Complexed Acetylenes by Interaction with [cis-PtR ₂ S ₂] and [cis-PtR ₂ (CO)S] (R = C ₆ F ₅ , S = Thf). <i>Organometallics</i> , 2005, 24, 431-438.	1.1	22
42	Alkynyldiphenylphosphine d ₈ (Pt, Rh, Ir) Complexes: A Contrasting Behavior toward cis-[Pt(C ₆ F ₅) ₂ (THF) ₂]. <i>Inorganic Chemistry</i> , 2004, 43, 8185-8198.	1.9	28
43	(p-cymene)Ruthenium(II)(diphenylphosphino)alkyne Complexes: Preparation of (σ -Cl)(σ -PPh ₂ C ₆ CR)-Bridged Ru/Pt Heterobimetallic Complexes. <i>Organometallics</i> , 2004, 23, 4288-4300.	1.1	23
44	Synthesis, structures and photophysics of novel luminescent platinum-copper complexes. <i>Journal of Organometallic Chemistry</i> , 2003, 670, 221-234.	0.8	38
45	Synthesis, characterization and luminescence properties of homoleptic platinum(ii) acetylide complexes. <i>Dalton Transactions</i> , 2003, , 4331-4339.	1.6	42
46	Diphenyl(phenylethynyl)phosphine d ₆ [Rh(III), Ir(III), Ru(II)] Complexes: Preparation of Homo (σ -Cl) ₂ and Hetero (σ -Cl)(σ -PPh ₂ C ₆ CPh) Bridged d ₆ -d ₈ Compounds. <i>Organometallics</i> , 2002, 21, 2314-2324.	1.1	27
47	Preparation and characterisation of neutral double- and mono-alkynyl bridged diplatinum complexes. <i>Dalton Transactions RSC</i> , 2001, , 2926-2936.	2.3	17
48	Four Thallium(I) Ions Sandwiched by Two Tetraalkynylplatinate ([Pt(C ₆ CR) ₄] ²⁻) Fragments: Synthesis and Luminescent Behavior of Pt ₂ Tl ₄ Species. <i>Organometallics</i> , 2001, 20, 4847-4851.	1.1	55
49	Formation of an Unsymmetrical Pt ⁺ Ir Tetraalkynyl Complex and Investigation into Subsequent Construction of Multimetallic Systems. <i>Organometallics</i> , 2001, 20, 2686-2696.	1.1	26
50	[Pt(C ₆ CR) ₄] ²⁻ -as Double Alkynylation Reagents: Facile Formation of Binuclear Bis(σ -alkynide) (M ⁺ Pt) and Unsymmetrical Trinuclear Double Bis(σ -alkynide) (M ⁺ Pt ⁺ Pt) Complexes. <i>Organometallics</i> , 2000, 19, 490-496.	1.1	28
51	Synthesis, Photophysical Properties, and Theoretical Studies of Hydride-Alkynyl Platinum(II) Complexes. Molecular Structures of [trans-PtH(C ₆ CC ₅ H ₄ N-2)(PPh ₃) ₂] and [Pt(σ -HC ₆ CCPh ₂ OH)(PPh ₃) ₂]. <i>Organometallics</i> , 2000, 19, 4385-4397.	1.1	35
52	Reactivity of [trans-PtH(C ₆ CC ₅ H ₄ N-2)(PPh ₃) ₂] toward [cis-Pt(C ₆ F ₅) ₂ (thf) ₂]. Synthesis of an Unusual Triplatinum Cluster-Substituted Platinum Complex. <i>Organometallics</i> , 1999, 18, 1653-1662.	1.1	18
53	Synthesis of Bi- and Trinuclear Bis(alkynyl) Complexes [PtM (M = Rh, Ir), PtRh ₂] Starting from [cis-Pt(C ₆ F ₅) ₂ (C ₆ CR) ₂] ²⁻ . <i>Organometallics</i> , 1999, 18, 4344-4353.	1.1	33
54	Unexpected Thiol-Induced [2 + 2] Coupling Reaction Using a Doubly Alkynyl Bridging Diplatinum Complex as a Precursor. <i>Organometallics</i> , 1998, 17, 1640-1642.	1.1	16

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55	Synthesis, Characterization, and Reactivity of New Alkynyl Complexes of Rhodium and Iridium:Ű Preparation of Neutral (MŰMŰ:Ű M = Rh, Ir; MŰŰ = Pt, Pd) Hetero-Alkynyl-Bridged Dinuclear Complexes. <i>Organometallics</i> , 1998, 17, 4578-4596.	1.1	51
56	Neutral PtRh ₂ and PtRh ₄ Tetraalkynyl Complexes. X-ray Crystal Structures of {Pt(CŰCBut) ₄ [Rh ₂ (Ű-X)(COD) ₂]} (X = Cl, OH). <i>Organometallics</i> , 1997, 16, 3921-3926.	1.1	22
57	A Polymeric Platinum(II)ŰThallium(I) Complex Stabilized by AlkynylŰThallium and PlatinumŰThallium Bonding Interactions. <i>Inorganic Chemistry</i> , 1997, 36, 6461-6464.	1.9	66
58	Synthesis, characterisation and NMR study of paramagnetic heteropolynuclear anionic PtŰCo species. NBu ₄][Pt(CŰCtBu) ₄].1.5(CH ₃) ₂ CO. <i>Inorganica Chimica Acta</i> , 1997, 264, 199-210.	1.2	24
59	Unusual Formation and Reactivity of a Diplatinum Ű-Phenylethenylidene Complex:Ű Synthesis and Structures of cis,cis-[(PPh ₃)(C ₆ F ₅) ₂ Pt(Ű-CHPhCCO)Pt(PPh ₃) ₂] and cis,cis-[(PPh ₃) ₂ Pt(Ű-2(C,S):Ű-1(C)-C(SPh)(CH ₂ Ph))Pt(C ₆ F ₅) ₂ (CO)] Dinuclear Compounds. <i>Organometallics</i> , 1996, 15, 1014-1022.	1.1	33
60	Reactions of (Ű-Alkynyl)platinum Complexes with [Pd(Ű-C ₃ H ₅)Cl] ₂ . Synthesis of Bis(Ű-alkyne)(Ű-allyl)palladium(II) Complexes. Crystal and Molecular Structure of [cis-(PPh ₃) ₂ Pt(Ű-Ű-2-CŰCtBu) ₂ Pd(Ű-C ₃ H ₅)](ClO ₄). <i>Organometallics</i> , 1996, 15, 4537-4546.	1.1	53
61	Synthesis of Bis(Ű-alkyne) Trinuclear Zwitterionic Platinum Hydride Complexes by Reaction of [trans-Pt(C ₆ F ₅) ₂ (CŰCR) ₂]- with the Solvento Species [trans-PtHL ₂ (acetone)] ₊ . <i>Organometallics</i> , 1996, 15, 1820-1825.	1.1	15
62	Synthesis and characterization of cationic heteronuclear complexes of platinum(II) and silver(I) bridged by alkynyl ligands. <i>Journal of Organometallic Chemistry</i> , 1996, 510, 63-70.	0.8	35
63	Generation of (Ű-Ethynediyl)(methylalkoxycarbene)diplatinum Complexes from Reaction of cis,trans-[(OC)(C ₆ F ₅) ₂ Pt(Ű-eta-2-C.tpbond.CSiMe ₃)Pt(C.tpbond.CSiMe ₃)L ₂] with ROH (R = Et, Me). <i>Organometallics</i> , 1995, 14, 2532-2537.	1.1	18
64	[cis-Pt(C ₆ F ₅) ₂ (CŰCPh) ₂] ₂ Ű as a double alkynyl transfer reagent. Synthesis and characterization of the Ir(III)-Pt(II) Tweezer complex {[Ű-5-C ₅ Me ₅)(PEt ₃)Ir(CŰCPh) ₂]Pt(C ₆ F ₅) ₂ }. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1227-1228.	2.0	26
65	[Cp ₂ Ti(CŰCtBu) ₂] as an Alkynyl Transfer Reagent: Synthesis and Characterization of the Asymmetrically Bridged Heterodimetallic Complex [Cp ₂ Ti(CŰCtBu) ₂ Pt(PPh ₃)]Ű0.5 THF. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 2083-2085.	4.4	28
66	Unusual stabilization of cationic ŰM(Ű-3-allyl) _n (M ŰŰ Pt, Pd) units by a dianionic cis-[Pt(C ₆ F ₅) ₂ (CŰCtBu) ₂] ₂ Ű fragment. <i>Journal of Organometallic Chemistry</i> , 1994, 470, C15-C18.	0.8	39
67	Synthesis and characterization of bis(Ű-alkyne)dihalogeno-mercury(II) compounds: crystal structure of [NBu ₄][cis-Pt(C ₆ F ₅) ₂ (CŰCSiMe ₃) ₂]HgBr ₂ ŰCH ₂ Cl ₂ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 3343-3348.	1.1	34
68	Synthesis of homo- and hetero-dinuclear complexes containing alkynyl bridges. Molecular structure of cis,trans-[(OC)(C ₆ F ₅) ₂ Pt(Ű-2-CŰCPh)Pt(CŰCPh)(PPh ₃) ₂]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 1291-1299.	1.1	26
69	Synthesis and reactivity of bimetallic acetylide-bridged PtŰPt complexes. Crystal and molecular structure of [(PPh ₃)(C ₆ F ₅)Pt(Ű-CŰCtBu) ₂ Pt(C ₆ F ₅)(PPh ₃)]. <i>Polyhedron</i> , 1993, 12, 1797-1804.	1.0	32
70	Unusual bridging of the metal centers in a heterometallic titanium-platinum complex. X-ray structure of [Cp ₂ Ti(Ű-eta-1-C.tpbond.C-tert-Bu) ₂ Pt(C ₆ F ₅) ₂].cndot.CH ₂ Cl ₂ . <i>Organometallics</i> , 1993, 12, 6-7.	1.1	69