

# Ioannis D Kostas

## List of Publications by Year in descending order

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41  
papers

1,092  
citations

394421

19  
h-index

395702

33  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1059  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suzuki–Miyaura cross-coupling reaction of aryl bromides and chlorides with phenylboronic acid under aerobic conditions catalyzed by palladium complexes with thiosemicarbazone ligands. <i>Tetrahedron Letters</i> , 2005, 46, 1967-1970.	1.4	99
2	The first use of porphyrins as catalysts in cross-coupling reactions: a water-soluble palladium complex with a porphyrin ligand as an efficient catalyst precursor for the Suzuki–Miyaura reaction in aqueous media under aerobic conditions. <i>Tetrahedron Letters</i> , 2007, 48, 6688-6691.	1.4	80
3	First use of a palladium complex with a thiosemicarbazone ligand as catalyst precursor for the Heck reaction. <i>Tetrahedron Letters</i> , 2004, 45, 2923-2926.	1.4	77
4	A palladium complex with a new hemilabile amino- and sulfur-containing phosphinite ligand as an efficient catalyst for the Heck reaction of aryl bromides with styrene. The effect of the amino group. <i>Tetrahedron</i> , 2003, 59, 3467-3473.	1.9	75
5	New Palladium Complexes with S- or Se-Containing Schiff-Base Ligands as Efficient Catalysts for the Suzuki–Miyaura Cross-Coupling Reaction of Aryl Bromides with Phenylboronic Acid under Aerobic Conditions. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2642-2646.	2.0	71
6	Microwave-promoted Suzuki–Miyaura cross-coupling of aryl halides with phenylboronic acid under aerobic conditions catalyzed by a new palladium complex with a thiosemicarbazone ligand. <i>Tetrahedron Letters</i> , 2006, 47, 4403-4407.	1.4	57
7	Me-AniPhos: a new chiral phosphine–phosphoramidite ligand for a highly efficient Rh-catalyzed asymmetric olefin hydrogenation. <i>Tetrahedron Letters</i> , 2006, 47, 7947-7950.	1.4	49
8	New rhodium complexes with P,N-ligands possessing a hydroxy or methoxy group. Synthesis, characterization and application to hydroformylation of styrene. <i>Journal of Organometallic Chemistry</i> , 1999, 585, 1-6.	1.8	47
9	Synthesis of new rhodium complexes with a hemilabile nitrogen-containing bis(phosphinite) or bis(phosphine) ligand. Application to hydroformylation of styrene. <i>Journal of Organometallic Chemistry</i> , 2001, 626, 221-226.	1.8	42
10	Synthesis of a tetramethoxy and an amphiphilic tetrahydroxy hemilabile N,P,N-ligand. Coordination behavior towards rhodium(I) and application to hydroformylation of styrene or hydrogenation of trans-cinnamaldehyde. <i>Journal of Organometallic Chemistry</i> , 2001, 634, 90-98.	1.8	30
11	New chiral 1,3-diphosphine ligands for Rh-catalyzed enantioselective hydrogenation: a search for electronic effects. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3640-3649.	1.8	29
12	Synthesis and characterization of new aromatic aldehyde/ketone 4-( $\beta$ -D-glucopyranosyl)thiosemicarbazones. <i>Carbohydrate Research</i> , 2009, 344, 1352-1364.	2.3	28
13	The binding of $\beta$ -D-glucopyranosyl-thiosemicarbazone derivatives to glycogen phosphorylase: A new class of inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7911-7922.	3.0	28
14	Synthesis of new nitrogen-containing phosphinite and phosphine–phosphinite ligands. Application to rhodium-catalyzed hydroformylation of styrene. <i>Inorganica Chimica Acta</i> , 2003, 355, 424-427.	2.4	26
15	Hydroaminomethylation of Styrene with Morpholine catalysed by a Rhodium Complex with a Phosphino Amino Alcohol Ligand. <i>Journal of Chemical Research Synopses</i> , 1999, , 630-631.	0.3	25
16	Thiosemicarbazone-derivatised palladium nanoparticles as efficient catalyst for the Suzuki–Miyaura cross-coupling of aryl bromides with phenylboronic acid. <i>Inorganica Chimica Acta</i> , 2008, 361, 1562-1565.	2.4	25
17	Rhodium complexes with a new chiral nitrogen-containing BINOL-based diphosphite or phosphonite ligand: synthesis and application to hydroformylation of styrene and/or hydrogenation of prochiral olefins. <i>Applied Organometallic Chemistry</i> , 2005, 19, 1090-1095.	3.5	21
18	Thiosemicarbazone Complexes of Transition Metals as Catalysts for Cross-Coupling Reactions. <i>Catalysts</i> , 2020, 10, 1107.	3.5	21

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19	Aqueousâ€‘Organic Biphasic Hydrogenation of <i>trans</i> -Cinnamaldehyde Catalyzed by Rhodium and Ruthenium Phosphaneâ€‘Free Porphyrin Complexes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4709-4716.	2.0	20
20	Rhodium complexes possessing S-phosphinite ligands with or without an amino group: application to hydroformylation of styrene. <i>Inorganica Chimica Acta</i> , 2004, 357, 2850-2854.	2.4	19
21	Synthesis and characterization of new RhI complexes bearing CO, PPh <sub>3</sub> and chelating P,O- or Se,Se-ligands: Application to hydroformylation of styrene. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4129-4138.	1.8	19
22	Synthesis of a palladium complex with a $\beta$ -D-glucopyranosyl-thiosemicarbazone and its application in the Suzukiâ€‘Miyaura coupling of aryl bromides with phenylboronic acid. <i>Inorganica Chimica Acta</i> , 2015, 435, 142-146.	2.4	19
23	Room-temperature Suzukiâ€‘Miyaura coupling of aryl bromides with phenylboronic acid catalyzed by a palladium complex with an inexpensive nitrogen-containing bis(phosphinite) ligand. <i>Catalysis Communications</i> , 2014, 51, 15-18.	3.3	18
24	A new rhodium complex with a nitrogen-containing bis(phosphine oxide) ligand as an efficient catalyst for the hydroformylation of styrene. <i>Applied Organometallic Chemistry</i> , 2006, 20, 335-337.	3.5	17
25	Terminal Organylchalcogenoethyl- and -propylamines and Their Schiff Base Derivatives. <i>Synthesis</i> , 2005, 2005, 1641-1648.	2.3	16
26	Hydroformylation of alkenes catalyzed by new dinuclear aryloxide- and carboxylate-bridged rhodium complexes. <i>Inorganica Chimica Acta</i> , 2004, 357, 3084-3088.	2.4	15
27	A new easily accessible chiral phosphiteâ€‘phosphoramidite ligand based on 2-anilinoethanol and R-BINOL moieties for Rh-catalyzed asymmetric olefin hydrogenation. <i>Tetrahedron Letters</i> , 2008, 49, 331-334.	1.4	14
28	Synthesis of a gold(I) complex with a (thio)phosphine-modified $\beta$ -cyclodextrin. <i>Inorganic Chemistry Communication</i> , 2002, 5, 252-254.	3.9	13
29	Rhodium-catalyzed asymmetric olefin hydrogenation by easily accessible aniline- and pyridine-derived chiral phosphites. <i>Tetrahedron Letters</i> , 2013, 54, 397-401.	1.4	13
30	Platinum complexes with a methoxy-amino phosphine or a nitrogen-containing bis(phosphine) ligand. Synthesis, characterization and application to hydrogenation of <i>trans</i> -cinnamaldehyde. <i>Journal of Organometallic Chemistry</i> , 2017, 828, 133-141.	1.8	13
31	Ortho-Directed Lithiation of <i>o</i> -Phenoxy Alcohols. <i>Journal of Organic Chemistry</i> , 1999, 64, 5589-5592.	3.2	12
32	Platinum/ $\beta$ -thiodipropionic acid nanoparticles as recyclable catalysts for the selective hydrogenation of <i>trans</i> -cinnamaldehyde. <i>Catalysis Communications</i> , 2014, 43, 57-60.	3.3	11
33	A remarkable tendency of <i>o</i> -lithio-N-(2-lithioxyethyl)-N-methyl-aniline to form heterocyclic derivatives by its reaction with dichlorodialkylsilanes or silicon tetrachloride. Synthesis of 2,5,1-benzoxazasilapines and of the silaspiro analogue. <i>Tetrahedron Letters</i> , 1997, 38, 8761-8764.	1.4	10
34	Platinum complexes of P,N- and P,N,P-ligands and their application in the hydroformylation of styrene. <i>Journal of Organometallic Chemistry</i> , 2013, 723, 149-153.	1.8	9
35	Synthesis of a halo-methylphenylene periphery-functionalized triazine-based dendritic molecule with a 3,3'-dimethyl-biphenyl linker using tris(halo-methylphenylene)triazines as building blocks. <i>Tetrahedron Letters</i> , 2009, 50, 1851-1854.	1.4	7
36	Catalytic reactivity of the complexes [Pd{(Ph <sub>2</sub> P) <sub>2</sub> N(Bu)-P,PA}X <sub>2</sub> ], X = Cl, Br, I, in the Suzuki-Miyaura C-C coupling reaction: Probing effects of the halogeno ligand X and the ligand's Bu group. <i>Journal of Organometallic Chemistry</i> , 2019, 879, 40-46.	1.8	6

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37	Immobilization of $[\text{Pd}\{\text{Ph}_2\text{P}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3\}_2\text{X}]$ (X=Cl, Br) onto Montmorillonite: Investigating their Performance as Homogeneous or Heterogenized Suzuki–Miyaura Catalysts. <i>ChemistrySelect</i> , 2017, 2, 12051-12059.	1.5	5
38	Structural features and catalytic reactivity of $[\text{Pd}\{\text{Ph}_2\text{P}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3\}_2]$ and related complexes in hydroalkoxycarbonylation and Suzuki–Miyaura C–C cross-coupling reactions. <i>Polyhedron</i> , 2018, 151, 292-298.	2.2	3
39	Editorial Catalysts: Special Issue on Transition Metal Catalyzed Cross-Coupling Reactions. <i>Catalysts</i> , 2021, 11, 473.	3.5	2
40	Hydroaminomethylation of Styrene with Morpholine catalysed by a Rhodium Complex with a Phosphino Amino Alcohol Ligand. <i>Journal of Chemical Research</i> , 1999, 23, 630-631.	1.3	1
41	First Use of a Palladium Complex with a Thiosemicarbazone Ligand as Catalyst Precursor for the Heck Reaction. <i>ChemInform</i> , 2004, 35, no.	0.0	0