

Ajai K Singh

List of Publications by Year in descending order

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131
papers

4,589
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70961

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times ranked

2979
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal ion enrichment with Amberlite XAD-2 functionalized with Tiron: analytical applications. <i>Analyst, The</i> , 2000, 125, 1221-1226.	1.7	151
2	Palladacycle containing nitrogen and selenium: highly active pre-catalyst for the Suzuki-Miyaura coupling reaction and unprecedented conversion into nano-sized Pd ₁₇ Se ₁₅ . <i>Chemical Communications</i> , 2010, 46, 5954.	2.2	134
3	Organoselenium ligands in catalysis. <i>Dalton Transactions</i> , 2012, 41, 11949.	1.6	118
4	Formation and Role of Palladium Chalcogenide and Other Species in Suzuki-Miyaura and Heck C-C Coupling Reactions Catalyzed with Palladium(II) Complexes of Organochalcogen Ligands: Realities and Speculations. <i>Organometallics</i> , 2014, 33, 2921-2943.	1.1	110
5	Thiosalicylic acid-immobilized Amberlite XAD-2: metal sorption behaviour and applications in estimation of metal ions by flame atomic absorption spectrometry. <i>Analyst, The</i> , 2000, 125, 2350-2355.	1.7	104
6	Transfer Hydrogenation of Ketones and Catalytic Oxidation of Alcohols with Half-Sandwich Complexes of Ruthenium(II) Designed Using Benzene and Tridentate (S, N, E) Type Ligands (E = S, Se, Te). <i>Organometallics</i> , 2010, 29, 6433-6442.	1.1	104
7	Pyrogallol Immobilized Amberlite XAD-2: A Newly Designed Collector for Enrichment of Metal Ions Prior to their Determination by Flame Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , 2001, 137, 127-134.	2.5	96
8	Palladium(II), platinum(II), ruthenium(II) and mercury(II) complexes of potentially tridentate Schiff base ligands of (E, N, O) type (E=S, Se, Te): Synthesis, crystal structures and applications in Heck and Suzuki coupling reactions. <i>Inorganica Chimica Acta</i> , 2009, 362, 3208-3218.	1.2	96
9	Palladium(κ^2)-selenated Schiff base complex catalyzed Suzuki-Miyaura coupling: Dependence of efficiency on alkyl chain length of ligand. <i>Dalton Transactions</i> , 2012, 41, 1931-1937.	1.6	93
10	Organosulphur and related ligands in Suzuki-Miyaura C-C coupling. <i>Dalton Transactions</i> , 2013, 42, 5200.	1.6	89
11	Schiff bases of 1-hydroxy-2-acetonaphthone containing chalcogen functionalities and their complexes with and (p-cymene)Ru(II), Pd(II), Pt(II) and Hg(II): Synthesis, structures and applications in C-C coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3533-3545.	0.8	84
12	Organochalcogen ligands and their palladium(ii) complexes: Synthesis to catalytic activity for Heck coupling. <i>RSC Advances</i> , 2012, 2, 12552.	1.7	84
13	Palladacycles of Thioethers Catalyzing Suzuki-Miyaura C-C Coupling: Generation and Catalytic Activity of Nanoparticles. <i>Organometallics</i> , 2013, 32, 2452-2458.	1.1	84
14	Palladium(ii) complexes of pyrazolated thio/selenoethers: syntheses, structures, single source precursors of Pd ₄ Se and PdSe nano-particles and potential for catalyzing Suzuki-Miyaura coupling. <i>Dalton Transactions</i> , 2013, 42, 3908.	1.6	76
15	Half-Sandwich Ruthenium(II) Complexes of Click Generated 1,2,3-Triazole Based Organosulfur/-selenium Ligands: Structural and Donor Site Dependent Catalytic Oxidation and Transfer Hydrogenation Aspects. <i>Organometallics</i> , 2013, 32, 3595-3603.	1.1	76
16	Palladium(II) Complexes of the First Pincer (Se,N,Se) Ligand, 2,6-Bis((phenylseleno)methyl)pyridine (L): Solvent-Dependent Formation of [PdCl(L)]Cl and Na[PdCl(L)][PdCl ₄] and High Catalytic Activity for the Heck Reaction. <i>Organometallics</i> , 2009, 28, 6054-6058.	1.1	74
17	Selenium-Containing N-Heterocyclic Carbenes and Their First Palladium(II) Complexes: Synthesis, Structure, and Pendent Alkyl Chain Length Dependent Catalytic Activity for Suzuki-Miyaura Coupling. <i>Organometallics</i> , 2013, 32, 2443-2451.	1.1	67
18	Graphene oxide grafted with Pd ₁₇ Se ₁₅ nano-particles generated from a single source precursor as a recyclable and efficient catalyst for C-O coupling in O-arylation at room temperature. <i>Chemical Communications</i> , 2013, 49, 7483.	2.2	62

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19	π-Piano-Stool-Complexes of Ruthenium(II) Designed with Arenes and N-[2-(Arylchalcogeno)ethyl]morpholines: Highly Active Catalysts for the Oxidation of Alcohols with N-Methylmorpholine N-Oxide, tert-Butyl Hydroperoxide and Sodium Periodate and Oxylchloride. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4187-4195.	1.0	59
20	Palladium(ii)-(E,N,E) pincer ligand (E = S/Se/Te) complex catalyzed Suzuki coupling reactions in water via in situ generated palladium quantum dots. <i>Dalton Transactions</i> , 2013, 42, 16939.	1.6	59
21	Cellulose based macromolecular chelator having pyrocatechol as an anchored ligand: synthesis and applications as metal extractant prior to their determination by flame atomic absorption spectrometry. <i>Talanta</i> , 2003, 61, 889-903.	2.9	58
22	Selenated Schiff bases of 2-hydroxyacetophenone and their palladium(II) and platinum(II) complexes: Syntheses, crystal structures and applications in the Heck reaction. <i>Polyhedron</i> , 2008, 27, 485-492.	1.0	58
23	The Chemistry of Multidentate Organotellurium Ligands. <i>Journal of Coordination Chemistry</i> , 1992, 27, 237-253.	0.8	56
24	2-Propanol vs Glycerol as Hydrogen Source in Catalytic Activation of Transfer Hydrogenation with (1-6-Benzene)ruthenium(II) Complexes of Unsymmetrical Bidentate Chalcogen Ligands. <i>Organometallics</i> , 2014, 33, 3629-3639.	1.1	56
25	Quinalizarin anchored on Amberlite XAD-2. A new matrix for solid-phase extraction of metal ions for flame atomic absorption spectrometric determination. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 370, 377-382.	1.5	54
26	Palladium-phosphorus/sulfur nanoparticles (NPs) decorated on graphene oxide: synthesis using the same precursor for NPs and catalytic applications in Suzuki-Miyaura coupling. <i>Nanoscale</i> , 2014, 6, 4588.	2.8	53
27	2-[[1-(3,4-Dihydroxyphenyl)methylidene]amino]benzoic acid immobilized Amberlite XAD-16 as metal extractant. <i>Talanta</i> , 2005, 67, 187-194.	2.9	51
28	Reusable Catalyst for Transfer Hydrogenation of Aldehydes and Ketones Designed by Anchoring Palladium as Nanoparticles on Graphene Oxide Functionalized with Selenated Amine. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2223-2231.	4.0	51
29	2,3-Dihydropyridine Loaded Amberlite XAD-2 (AXAD-2-DHP): Preparation, Sorption/Desorption Equilibria with Metal Ions, and Applications in Quantitative Metal Ion Enrichment from Water, Milk and Vitamin Samples. <i>Mikrochimica Acta</i> , 2005, 149, 213-221.	2.5	50
30	Palladium complexes bearing the 1,2,3-triazole based organosulfur/ selenium ligand: synthesis, structure and applications in Heck and Suzuki-Miyaura coupling as a catalyst via palladium nanoparticles. <i>RSC Advances</i> , 2014, 4, 56102-56111.	1.7	50
31	Schiff bases functionalized with PPh ₂ and SPh groups and their Ni(II) and Pd(II) complexes: Synthesis, crystal structures and applications of a Pd complex for Suzuki-Miyaura Coupling. <i>Polyhedron</i> , 2008, 27, 1610-1622.	1.0	49
32	Silica Gel Loaded with o-Dihydroxybenzene: Design, Metal Sorption Equilibrium Studies and Application to Metal Enrichment Prior to Determination by Flame Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , 2004, 144, 233-241.	2.5	48
33	Palladium-selenoether complexes as new single source precursors: First synthesis of Pd ₄ Se and Pd ₇ Se ₄ nanoparticles. <i>Dalton Transactions</i> , 2012, 41, 1142-1145.	1.6	47
34	Efficient Catalysis of Transfer Hydrogenation of Ketones and Oxidation of Alcohols with Newly Designed Half-Sandwich Rhodium(III) and Iridium(III) Complexes of Half-Pincer Chalcogenated Pyridines. <i>Organometallics</i> , 2012, 31, 3379-3388.	1.1	47
35	Palladium(II) complex of an organotellurium ligand as a catalyst for Suzuki Miyaura coupling: Generation and role of nano-sized Pd ₃ Te ₂ . <i>Journal of Organometallic Chemistry</i> , 2014, 749, 1-6.	0.8	46
36	Palladium and half sandwich ruthenium(II) complexes of selenated and tellurated benzotriazoles: Synthesis, structural aspects and catalytic applications. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 955-962.	0.8	45

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37	Chalcogen-Dependent Palladation at the Benzyl Carbon of 2,3-Bis[(phenylchalcogeno)methyl]quinoxaline: Palladium Complexes Catalyzing Suzuki–Miyaura Coupling via Palladium–Chalcogen Nanoparticles. <i>Organometallics</i> , 2013, 32, 387-395.	1.1	45
38	Complexes of $(\eta^5\text{-Cp}^*)\text{Ir}(\text{III})$ with 1-benzyl-3-phenylthio/selenomethyl-1,3-dihydrobenzimidazole-2-thione/selenone: catalyst for oxidation and 1,2-substituted benzimidazole synthesis. <i>Dalton Transactions</i> , 2017, 46, 2228-2237.	1.6	44
39	Didocosyl selenide stabilized recyclable Pd(0) nanoparticles and coordinated palladium(II) as efficient catalysts for Suzuki–Miyaura coupling. <i>Dalton Transactions</i> , 2012, 41, 4306.	1.6	43
40	Transfer Hydrogenation (pH Independent) of Ketones and Aldehydes in Water with Glycerol: Ru, Rh, and Ir Catalysts with a COOH Group near the Metal on a (Phenylthio)methyl-2-pyridine Scaffold. <i>Organometallics</i> , 2014, 33, 3804-3812.	1.1	43
41	Tetradentate selenium ligand as a building block for homodinuclear complexes of Pd(II) and Ru(II) having seven membered rings or bis-pincer coordination mode: high catalytic activity of Pd-complexes for Heck reaction. <i>Dalton Transactions</i> , 2010, 39, 10876.	1.6	42
42	Shape dependent catalytic activity of nanoflowers and nanospheres of Pd ₄ S generated via one pot synthesis and grafted on graphene oxide for Suzuki coupling. <i>Dalton Transactions</i> , 2014, 43, 12555.	1.6	42
43	Half sandwich complexes of Ru(II) and complexes of Pd(II) and Pt(II) with seleno and thio derivatives of pyrrolidine: Synthesis, structure and applications as catalysts for organic reactions. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3872-3880.	0.8	41
44	Half-Sandwich Rhodium/Iridium(III) Complexes Designed with Cp* and 1,2-Bis(phenylchalcogenomethyl)benzene as Catalysts for Transfer Hydrogenation in Glycerol. <i>Organometallics</i> , 2014, 33, 2535-2543.	1.1	41
45	Palladacycles of sulfated and selenated Schiff bases of ferrocene-carboxaldehyde as catalysts for O-arylation and Suzuki–Miyaura coupling. <i>Dalton Transactions</i> , 2017, 46, 2485-2496.	1.6	40
46	Half sandwich complexes of chalcogenated pyridine based bi-(N, S/Se) and terdentate (N, S/Se, N) ligands with $(\eta^6\text{-benzene})\text{ruthenium(II)}$: synthesis, structure and catalysis of transfer hydrogenation of ketones and oxidation of alcohols. <i>Dalton Transactions</i> , 2013, 42, 8736.	1.6	38
47	Catalyst Activation with Cp*Rh ^{III} /Ir ^{III} –1,2,3-Triazole-Based Organochalcogen Ligand Complexes: Transfer Hydrogenation via Loss of Cp* and <i>N</i> -Methylmorpholine <i>N</i> -Oxide Based vs Oppenauer-Type Oxidation. <i>Organometallics</i> , 2014, 33, 2341-2351.	1.1	38
48	Palladium(II) Complexes of N-Heterocyclic Carbene Amidates Derived from Chalcogenated Acetamide-Functionalized 1-H-Benzimidazolium Salts: Recyclable Catalyst for Regioselective Arylation of Imidazoles under Aerobic Conditions. <i>Organometallics</i> , 2018, 37, 2669-2681.	1.1	37
49	Acridine based (S,N,S) pincer ligand: designing silver(I) complexes for the efficient activation of A ₃ (aldehyde, alkyne and amine) coupling. <i>Dalton Transactions</i> , 2015, 44, 1962-1968.	1.6	36
50	Complexes of Pd(II), $\eta^6\text{-C}_6\text{H}_6\text{Ru(II)}$, and $\eta^5\text{-Cp}^*\text{Rh(III)}$ with Chalcogenated Schiff Bases of Anthracene-9-carbaldehyde and Base-Free Catalytic Transfer Hydrogenation of Aldehydes/Ketones and <i>N</i> -Alkylation of Amines. <i>Organometallics</i> , 2019, 38, 944-961.	1.1	35
51	4-[(2-Hydroxyphenyl)imino]methyl-1,2-benzenediol (HIMB) anchored Amberlite XAD-16: Preparation and applications as metal extractants. <i>Talanta</i> , 2007, 71, 282-287.	2.9	34
52	Tetragonal Cu ₂ Se nanoflakes: synthesis using selenated propylamine as Se source and activation of Suzuki and Sonogashira cross coupling reactions. <i>Dalton Transactions</i> , 2015, 44, 725-732.	1.6	34
53	Efficient catalysis of Suzuki–Miyaura CC coupling reactions with palladium(II) complexes of partially hydrolyzed bisimine ligands: A process important in environment context. <i>Journal of Hazardous Materials</i> , 2014, 269, 9-17.	6.5	33
54	<i>N</i> -2-(4-Methoxyphenyltelluro)ethylmorpholine (L1) and bis-2-(<i>N</i> -morpholino)ethyltelluride (L2): synthesis and complexation with palladium(II) and mercury(II). Crystal structures of trans-[PdCl ₂ (L1) ₂] and trans-[PdCl ₂ (L2) ₂]. <i>Journal of Organometallic Chemistry</i> , 2000, 612, 46-52.	0.8	32

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55	⁶⁸ Ga based probe for Alzheimer's disease: synthesis and preclinical evaluation of homodimeric chalcone in I ² -amyloid imaging. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7328.	1.5	32
56	SYNTHESIS OF NOVEL BIDENTATE (Te, N) LIGANDS-2-ARYLTELUROETHYLAMINES AND THEIR COMPLEXATION WITH MERCURY (II). <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1990, 47, 471-475.	0.8	31
57	Palladium(<i>η</i> -1-phenylthio-2-arylchalcogenoethane) complexes: palladium phosphide nano-peanut and ribbon formation controlled by chalcogen and Suzuki coupling activation. <i>Dalton Transactions</i> , 2015, 44, 6600-6612.	1.6	31
58	Trinuclear complexes of palladium(<i>η</i> -) with chalcogenated N-heterocyclic carbenes: catalysis of selective nitrile→primary amide interconversion and Sonogashira coupling. <i>Dalton Transactions</i> , 2017, 46, 13065-13076.	1.6	31
59	Sonogashira (Cu and amine free) and Suzuki coupling in air catalyzed <i>in situ</i> nanoparticles formed from Pd(<i>η</i> -) complexes of chalcogenated Schiff bases of 1-naphthaldehyde and their reduced forms. <i>Dalton Transactions</i> , 2017, 46, 15235-15248.	1.6	30
60	Influence of pendent alkyl chains on Heck and Sonogashira C-C coupling catalyzed with palladium(II) complexes of selenated Schiff bases having liquid crystalline properties. <i>Journal of Organometallic Chemistry</i> , 2014, 753, 42-47.	0.8	29
61	Single source precursor routes for synthesis of PdTe nanorods and particles: solvent dependent control of shapes. <i>Chemical Communications</i> , 2013, 49, 9344.	2.2	28
62	(<i>η</i> -5-Cp*)Rh(III)/Ir(III) Complexes with Bis(chalcogenoethers) (E, E ² Ligands: E = S/Se; E ² = S/Se): Synthesis, Structure, and Applications in Catalytic Oppenauer-Type Oxidation and Transfer Hydrogenation. <i>Organometallics</i> , 2014, 33, 983-993.	1.1	27
63	Magnetite nanoparticles coated with ruthenium via SePh layer as a magnetically retrievable catalyst for the selective synthesis of primary amides in an aqueous medium. <i>Dalton Transactions</i> , 2014, 43, 12365.	1.6	27
64	Click™ generated 1,2,3-triazole based organosulfur/selenium ligands and their Pd(<i>η</i> -) and Ru(<i>η</i> -) complexes: their synthesis, structure and catalytic applications. <i>Dalton Transactions</i> , 2016, 45, 11445-11458.	1.6	27
65	Palladacycles of unsymmetrical (N,C ^η ,E) (E = S/Se) pincers based on indole: their synthesis, structure and application in the catalysis of Heck coupling and allylation of aldehydes. <i>Dalton Transactions</i> , 2016, 45, 6718-6725.	1.6	27
66	Base free N-alkylation of anilines with ArCH ₂ OH and transfer hydrogenation of aldehydes/ketones catalyzed by the complexes of <i>η</i> -5-Cp*Ir(<i>η</i> -) with chalcogenated Schiff bases of anthracene-9-carbaldehyde. <i>Dalton Transactions</i> , 2018, 47, 3764-3774.	1.6	26
67	Ultra-small palladium nano-particles synthesized using bulky S/Se and N donor ligands as a stabilizer: application as catalysts for Suzuki-Miyaura coupling. <i>RSC Advances</i> , 2019, 9, 22313-22319.	1.7	26
68	2-[2-(4-Methoxyphenyltelluro)ethyl]thiophene (L1) bis[2-(2-thienyl)ethyl] telluride (L2) and their metal complexes; crystal structure of trans-dichlorobis[2-(2-(4-methoxyphenyltelluro)ethyl)thiophene-Te}palladium(II) and {bis[2-(2-thienyl)ethyl] telluride}dichloro(p-cymene)ruthenium(II). <i>Journal of Organometallic Chemistry</i> , 2004, 689, 2346-2353.	0.8	25
69	Bidentate organochalcogen ligands (N, E; E ² = S/Se) as stabilizers for recyclable palladium nanoparticles and their application in Suzuki-Miyaura coupling reactions. <i>Polyhedron</i> , 2019, 171, 120-127.	1.0	25
70	Catalytically active nanosized Pd ₉ Te ₄ (telluropalladinite) and PdTe (kotulskite) alloys: first precursor-architecture controlled synthesis using palladium complexes of organotellurium compounds as single source precursors. <i>RSC Advances</i> , 2021, 11, 7214-7224.	1.7	25
71	Bis(2-{1,3-dioxan-2-yl}ethyl) telluride (L): synthesis and ligation with Pd(II) and Ru(II). Crystal structures of [Ru(p-cymene)Cl ₂ L] and trans-[PdCl ₂ (L) ₂]. <i>Journal of Organometallic Chemistry</i> , 2000, 613, 244-249.	0.8	24
72	Organotellurium ligands – designing and complexation reactions. <i>Journal of Chemical Sciences</i> , 2002, 114, 357-366.	0.7	24

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73	Complex of 2-(methylthio)aniline with palladium(II) as an efficient catalyst for Suzuki–Miyaura C–C coupling in eco-friendly water. <i>Journal of Hazardous Materials</i> , 2014, 269, 18-23.	6.5	24
74	Suzuki Coupling Reactions Catalyzed with Palladacycles and Palladium(II) Complexes of 2-(4-thiophenemethylamino)phenyl Schiff Bases: Examples of Divergent Pathways for the Same Ligand. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1542-1551.	1.0	24
75	Cu ₆ Se _{4.5} Nanoparticles from a single source precursor: Recyclable and efficient catalyst for cross-dehydrogenative coupling of tertiary amines with terminal alkynes. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 135-142.	4.8	24
76	Efficient catalytic activation of Suzuki–Miyaura C–C coupling reactions with recyclable palladium nanoparticles tailored with sterically demanding di-n-alkyl sulfides. <i>RSC Advances</i> , 2015, 5, 20081-20089.	1.7	23
77	Palladium(II) complexes of N,N-diphenylacetamide based thio/selenoethers and flower shaped Pd ₁₆ S ₇ and prismatic Pd ₁₇ Se ₁₅ nano-particles tailored as catalysts for C–C and C–O coupling. <i>Dalton Transactions</i> , 2017, 46, 10037-10049.	1.6	23
78	Selenium containing imidazolium salt in designing single source precursors for silver bromide and selenide nano-particles. <i>Dalton Transactions</i> , 2013, 42, 2366.	1.6	22
79	Complexes of (1-benzene)ruthenium(II) with 1,4-bis(phenylthio/seleno-methyl)-1,2,3-triazoles: synthesis, structure and applications in catalytic activation of oxidation and transfer hydrogenation. <i>Dalton Transactions</i> , 2015, 44, 19141-19152.	1.6	22
80	Regioselective Synthesis of N ² -Alkylated-1,2,3 Triazoles and N ¹ -Alkylated Benzotriazoles: Cu ₂ S as a Recyclable Nanocatalyst for Oxidative Amination of N,N-Dimethylbenzylamines. <i>Journal of Organic Chemistry</i> , 2018, 83, 3226-3235.	1.7	22
81	Chalcogen (S/Se) Ligated Palladium(II) Complexes of Bulky Ligands: Application in C–O Arylation of Phenol. <i>ChemistrySelect</i> , 2019, 4, 10765-10769.	0.7	22
82	SYNTHESIS, REACTIVITY AND MULTINUCLEAR N.M.R. STUDIES OF 2-(2-ARYLTELLUROETHYL)PYRIDINES AND THEIR PALLADIUM(II) AND PLATINUM(II) COMPLEXES: CRYSTAL STRUCTURES OF 4-MeO-C ₆ H ₄ TeCH ₂ CH ₂ -2-(C ₅ H ₄ N)MCl ₂	0.8	21
83	Sterically hindered selenoether ligands: palladium(II) complexes as catalytic activators for Suzuki–Miyaura coupling. <i>RSC Advances</i> , 2014, 4, 41659-41665.	1.7	21
84	Oxine based unsymmetrical (O ⁺ , N, S/Se) pincer ligands and their palladium(II) complexes: synthesis, structural aspects and applications as a catalyst in amine and copper-free Sonogashira coupling. <i>New Journal of Chemistry</i> , 2017, 41, 2745-2755.	1.4	21
85	Organoselenium ligand-stabilized copper nanoparticles: Development of a magnetically separable catalytic system for efficient, room temperature and aqueous phase reduction of nitroarenes. <i>Inorganica Chimica Acta</i> , 2021, 522, 120267.	1.2	21
86	Palladium(II) complexes of tridentate chalcogenated Schiff bases and related ligands of (S, N, S/Se/Te) type: Synthesis and structural chemistry. <i>Inorganica Chimica Acta</i> , 2012, 387, 441-445.	1.2	20
87	Synthesis of Potential Tripodal Tellurium Ligands and Their Complexation with Mercury(II). <i>Journal of Coordination Chemistry</i> , 1990, 21, 39-42.	0.8	19
88	Organotellurium Ligands & Their Metal Complexes: Recent Developments. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 903-911.	0.8	19
89	Nanoflowers of Cu _{1.8} S: Free and Decorated on Graphene Oxide (GO–Cu _{1.8} S) as Efficient and Recyclable Catalysts for C–O Coupling. <i>ACS Applied Nano Materials</i> , 2018, 1, 2164-2174.	2.4	19
90	GO–Cu ₇ S ₄ catalyzed ortho-aminomethylation of phenol derivatives with N,N-dimethylbenzylamines: site-selective oxidative CDC. <i>Chemical Communications</i> , 2018, 54, 7511-7514.	2.2	18

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91	Easily synthesizable benzothiazole based designers palladium complexes for catalysis of Suzuki coupling: Controlling effect of aryl substituent of ligand on role and composition of insitu generated binary nanomaterial (PdS or Pd ₁₆ S ₇). <i>Catalysis Communications</i> , 2021, 149, 106242.	1.6	18
92	First structurally characterized complex of an acyclic tellurated Schiff base [4-MeOC ₆ H ₄ TeCH ₂ CH ₂ N(CH ₃)C ₆ H ₄ -2-OH (L ₁ H)] having metal- tellurium bond; synthesis and crystal structure of [PdCl(L ₁)]. <i>Inorganic Chemistry Communication</i> , 2004, 7, 502-505.	1.8	17
93	Bivalent Approach for Homodimeric Estradiol Based Ligand: Synthesis and Evaluation for Targeted Theranosis of ER(+) Breast Carcinomas. <i>Bioconjugate Chemistry</i> , 2016, 27, 961-972.	1.8	17
94	Catalysis with magnetically retrievable and recyclable nanoparticles layered with Pd(0) for C=C/O coupling in water. <i>RSC Advances</i> , 2020, 10, 6452-6459.	1.7	17
95	Novel 2-(Aryltelluro)Ethylmethyl-Sulfides Synthesis and Ligation with Palladium(II) and Platinum(II). <i>Journal of Coordination Chemistry</i> , 1990, 21, 269-273.	0.8	16
96	Pyrazole-stabilized Dinuclear Palladium(II) Chalcogenolates Formed by Oxidative Addition of Bis[2-(4-bromopyrazol-1-yl)ethyl] Dichalcogenides to Palladium(II) - Tailoring of Pd-S/Se Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4829-4838.	1.0	16
97	Equilibrium Studies on the Optimization of Solid-Phase Extraction of Metal Ions with Pyrogallol-Anchored Cellulose Synthesized by a New Method and Applications of the Extraction in Metal Enrichment, Removal, and Determination. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 2302-2309.	1.8	15
98	Tellurated heterocycles, 2-[(2-thienyltelluro)methyl]tetrahydrofuran (L1) and [(2-thienyltelluro)methyl]tetrahydro-2H-pyran (L2): Synthesis and complexation reactions with Pd(II), Pt(II), Hg(II), Ru(II) and Cu(I). <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3788-3796.	0.8	15
99	Enrichment and flame atomic absorption spectrometric determination of palladium using chelating matrices designed by functionalizing Amberlite XAD-2/16 and silica gel. <i>Mikrochimica Acta</i> , 2007, 159, 149-155.	2.5	15
100	Graphene oxide supported cobalt phosphide nanorods designed from a molecular complex for efficient hydrogen evolution at low overpotential. <i>Chemical Communications</i> , 2019, 55, 2186-2189.	2.2	15
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