Ajai K Singh

List of Publications by Year
in descending order

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131	4,589	71102	133252
papers	citations	41 h-index	59 g-index

133	133	133	2979
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal ion enrichment with Amberlite XAD-2 functionalized with Tiron: analytical applications. Analyst, The, 2000, 125, 1221-1226.	3.5	151
2	Palladacycle containing nitrogen and selenium: highly active pre-catalyst for the Suzukiâ€“Miyaura coupling reaction and unprecedented conversion into nano-sized Pd17Se15. Chemical Communications, 2010, 46, 5954.	4.1	134
3	Organoselenium ligands in catalysis. Dalton Transactions, 2012, 41, 11949.	3.3	118
4	Formation and Role of Palladium Chalcogenide and Other Species in Suzukiâ€“Miyaura and Heck Câ€“C Coupling Reactions Catalyzed with Palladium(II) Complexes of Organochalcogen Ligands: Realities and Speculations. Organometallics, 2014, 33, 2921-2943.	2.3	110
5	Thiosalicylic acid-immobilized Amberlite XAD-2: metal sorption behaviour and applications in estimation of metal ions by flame atomic absorption spectrometry. Analyst, The, 2000, 125, 2350-2355.	3.5	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). Organometallics, 2010, 29, 6433-6442.	2.3	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. Mikrochimica Acta, 2001, 137, 127-134.	5.0	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. Inorganica Chimica Acta, 2009, 362, 3208-3218.	2.4	96
9	Palladium(<scp>ii</scp>)-selenated Schiff base complex catalyzed Suzukiâ€“Miyaura coupling: Dependence of efficiency on alkyl chain length of ligand. Dalton Transactions, 2012, 41, 1931-1937.	3.3	93
10	Organosulphur and related ligands in Suzukiâ€“Miyaura Câ€“C coupling. Dalton Transactions, 2013, 42, 5200.	3.3	89
11	Schiff bases of 1â€²-hydroxy-2â€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 Câ€“C coupling reactions. Journal of Organometallic Chemistry, 2008, 693, 3533-3545.	1.8	84
12	Organochalcogen ligands and their palladium(ii) complexes: Synthesis to catalytic activity for Heck coupling. RSC Advances, 2012, 2, 12552.	3.6	84
13	Palladacycles of Thioethers Catalyzing Suzukiâ€“Miyaura Câ€“C Coupling: Generation and Catalytic Activity of Nanoparticles. Organometallics, 2013, 32, 2452-2458.	2.3	84
14	Palladium(ii) complexes of pyrazolated thio/selenoethers: syntheses, structures, single source precursors of Pd4Se and PdSe nano-particles and potential for catalyzing Suzukiâ€“Miyaura coupling. Dalton Transactions, 2013, 42, 3908.	3.3	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. Organometallics, 2013, 32, 3595-3603.	2.3	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)][PdCl₄] and High Catalytic Activity for the Heck Reaction. Organometallics, 2009, 28, 6054-6058.	2.3	74
17	Selenium-Containing N-Heterocyclic Carbenes and Their First Palladium(II) Complexes: Synthesis, Structure, and Pendent Alkyl Chain Length Dependent Catalytic Activity for Suzukiâ€“Miyaura Coupling. Organometallics, 2013, 32, 2443-2451.	2.3	67
18	Graphene oxide grafted with Pd17Se15 nano-particles generated from a single source precursor as a recyclable and efficient catalyst for Câ€“O coupling in O-arylation at room temperature. Chemical Communications, 2013, 49, 7483.	4.1	62

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19	â€œPiano-Stoolâ€•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 Oxychloride. European Journal of Inorganic Chemistry, 2010, 2010, 4187-4195.	2.0	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. Dalton Transactions, 2013, 42, 16939.	3.3	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. Talanta, 2003, 61, 889-903.	5.5	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. Polyhedron, 2008, 27, 485-492.	2.2	58
23	The Chemistry of Multidentate Organotellurium Ligands. Journal of Coordination Chemistry, 1992, 27, 237-253.	2.2	56
24	2-Propanol vs Glycerol as Hydrogen Source in Catalytic Activation of Transfer Hydrogenation with (Î·⁶-Benzene)ruthenium(II) Complexes of Unsymmetrical Bidentate Chalcogen Ligands. Organometallics, 2014, 33, 3629-3639.	2.3	56
25	Quinalizarin anchored on Amberlite XAD-2. A new matrix for solid-phase extraction of metal ions for flame atomic absorption spectrometric determination. Fresenius' Journal of Analytical Chemistry, 2001, 370, 377-382.	1.5	54
26	Palladiumâ€“phosphorus/sulfur nanoparticles (NPs) decorated on graphene oxide: synthesis using the same precursor for NPs and catalytic applications in Suzukiâ€“Miyaura coupling. Nanoscale, 2014, 6, 4588.	5.6	53
27	2-{[1-(3,4-Dihydroxyphenyl)methylidene]amino}benzoic acid immobilized Amberlite XAD-16 as metal extractant. Talanta, 2005, 67, 187-194.	5.5	51
28	Reusable Catalyst for Transfer Hydrogenation of Aldehydes and Ketones Designed by Anchoring Palladium as Nanoparticles on Graphene Oxide Functionalized with Selenated Amine. ACS Applied Materials & Interfaces, 2017, 9, 2223-2231.	8.0	51
29	2,3-Dihydroxypyridine 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. Mikrochimica Acta, 2005, 149, 213-221.	5.0	50
30	Palladium(<scp>ii</scp>) complexes bearing the 1,2,3-triazole based organosulfur/ selenium ligand: synthesis, structure and applications in Heck and Suzukiâ€“Miyaura coupling as a catalyst via palladium nanoparticles. RSC Advances, 2014, 4, 56102-56111.	3.6	50
31	Schiff bases functionalized with PPh2 and SPh groups and their Ni(II) and Pd(II) complexes: Synthesis, crystal structures and applications of a Pd complex for Suzukiâ€“Miyaura Coupling. Polyhedron, 2008, 27, 1610-1622.	2.2	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. Mikrochimica Acta, 2004, 144, 233-241.	5.0	48
33	Palladium(<scp>ii</scp>)â€“selenoether complexes as new single source precursors: First synthesis of Pd₄Se and Pd₇Se₄nanoparticles. Dalton Transactions, 2012, 41, 1142-1145.	3.3	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. Organometallics, 2012, 31, 3379-3388.	2.3	47
35	Palladium(II) complex of an organotellurium ligand as a catalyst for Suzuki Miyaura coupling: Generation and role of nano-sized Pd3Te2. Journal of Organometallic Chemistry, 2014, 749, 1-6.	1.8	46
36	Palladium and half sandwich ruthenium(II) complexes of selenated and tellurated benzotriazoles: Synthesis, structural aspects and catalytic applications. Journal of Organometallic Chemistry, 2010, 695, 955-962.	1.8	45

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37	Chalcogen-Dependent Palladation at the Benzyl Carbon of 2,3-Bis[(phenylchalcogeno)methyl]quinoxaline: Palladium Complexes Catalyzing Suzukiâ€“Miyaura Coupling via Palladiumâ€“Chalcogen Nanoparticles. Organometallics, 2013, 32, 387-395.	2.3	45
38	Complexes of (Î·⁵-Cp*)Ir(<scp>iii</scp>) with 1-benzyl-3-phenylthio/selenomethyl-1,3-dihydrobenzoimidazole-2-thione/selenone: catalyst for oxidation and 1,2-substituted benzimidazole synthesis. Dalton Transactions, 2017, 46, 2228-2237.	3.3	44
39	Didocosyl selenide stabilized recyclable Pd(0) nanoparticles and coordinated palladium(ii) as efficient catalysts for Suzukiâ€“Miyaura coupling. Dalton Transactions, 2012, 41, 4306.	3.3	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. Organometallics, 2014, 33, 3804-3812.	2.3	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. Dalton Transactions, 2010, 39, 10876.	3.3	42
42	Shape dependent catalytic activity of nanoflowers and nanospheres of Pd₄S generated via one pot synthesis and grafted on graphene oxide for Suzuki coupling. Dalton Transactions, 2014, 43, 12555.	3.3	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. Journal of Organometallic Chemistry, 2009, 694, 3872-3880.	1.8	41
44	Half-Sandwich Rhodium/Iridium(III) Complexes Designed with Cp* and 1,2-Bis(phenylchalcogenomethyl)benzene as Catalysts for Transfer Hydrogenation in Glycerol. Organometallics, 2014, 33, 2535-2543.	2.3	41
45	Palladacycles of sulfated and selenated Schiff bases of ferrocene-carboxaldehyde as catalysts for O-arylation and Suzukiâ€“Miyaura coupling. Dalton Transactions, 2017, 46, 2485-2496.	3.3	40
46	Half sandwich complexes of chalcogenated pyridine based bi-(N, S/Se) and terdentate (N, S/Se, N) ligands with (Î·6-benzene)ruthenium(ii): synthesis, structure and catalysis of transfer hydrogenation of ketones and oxidation of alcohols. Dalton Transactions, 2013, 42, 8736.	3.3	38
47	Catalyst Activation with Cp*Rh^{III}/Ir^{III}â€“1,2,3-Triazole-Based Organochalcogen Ligand Complexes: Transfer Hydrogenation via Loss of Cp* and N-Methylmorpholine N-Oxide Based vs Oppenauer-Type Oxidation. Organometallics, 2014, 33, 2341-2351.	2.3	38
48	Palladium(II) Complexes of N-Heterocyclic Carbene Amidates Derived from Chalcogenated Acetamide-Functionalized 1H-Benzimidazolium Salts: Recyclable Catalyst for Regioselective Arylation of Imidazoles under Aerobic Conditions. Organometallics, 2018, 37, 2669-2681.	2.3	37
49	Acridine based (S,N,S) pincer ligand: designing silver(<scp>i</scp>) complexes for the efficient activation of A³ (aldehyde, alkyne and amine) coupling. Dalton Transactions, 2015, 44, 1962-1968.	3.3	36
50	Complexes of Pd(II), Î·⁶-C₆H₆Ru(II), and Î·⁵-Cp*Rh(III) with Chalcogenated Schiff Bases of Anthracene-9-carbaldehyde and Base-Free Catalytic Transfer Hydrogenation of Aldehydes/Ketones and N-Alkylation of Amines. Organometallics, 2019, 38, 944-961.	2.3	35
51	4-{[(2-Hydroxyphenyl)imino]methyl}-1,2-benzenediol (HIMB) anchored Amberlite XAD-16: Preparation and applications as metal extractants. Talanta, 2007, 71, 282-287.	5.5	34
52	Tetragonal Cu₂Se nanoflakes: synthesis using selenated propylamine as Se source and activation of Suzuki and Sonogashira cross coupling reactions. Dalton Transactions, 2015, 44, 725-732.	3.3	34
53	Efficient catalysis of Suzukiâ€“Miyaura CC coupling reactions with palladium(II) complexes of partially hydrolyzed bisimine ligands: A process important in environment context. Journal of Hazardous Materials, 2014, 269, 9-17.	12.4	33
54	N-?2-(4-Methoxyphenyltelluro)ethyl?morpholine (L1) and bis?2-(N-morpholino)ethyl?telluride (L2): synthesis and complexation with palladium(II) and mercury(II). Crystal structures of trans-[PdCl2(L1)2] and trans-[PdCl2(L2)2]. Journal of Organometallic Chemistry, 2000, 612, 46-52.	1.8	32

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55	⁶⁸Ga based probe for Alzheimer's disease: synthesis and preclinical evaluation of homodimeric chalcone in Î²-amyloid imaging. Organic and Biomolecular Chemistry, 2014, 12, 7328.	2.8	32
56	SYNTHESIS OF NOVEL BIDENTATE (Te, N) LIGANDS-2-ARYLTELLUROETHYLAMINES AND THEIR COMPLEXATION WITH MERCURY (II). Phosphorus, Sulfur and Silicon and the Related Elements, 1990, 47, 471-475.	1.6	31
57	Palladium(<scp>ii</scp>)-1-phenylthio-2-arylchalcogenoethane complexes: palladium phosphide nano-peanut and ribbon formation controlled by chalcogen and Suzuki coupling activation. Dalton Transactions, 2015, 44, 6600-6612.	3.3	31
58	Trinuclear complexes of palladium(<scp>ii</scp>) with chalcogenated N-heterocyclic carbenes: catalysis of selective nitrileâ€“primary amide interconversion and Sonogashira coupling. Dalton Transactions, 2017, 46, 13065-13076.	3.3	31
59	Sonogashira (Cu and amine free) and Suzuki coupling in air catalyzed via nanoparticles formed in situ from Pd(<scp>ii</scp>) complexes of chalcogenated Schiff bases of 1-naphthaldehyde and their reduced forms. Dalton Transactions, 2017, 46, 15235-15248.	3.3	30
60	Influence of pendent alkyl chains on Heck and Sonogashira Câ€“C coupling catalyzed with palladium(II) complexes of selenated Schiff bases having liquid crystalline properties. Journal of Organometallic Chemistry, 2014, 753, 42-47.	1.8	29
61	Single source precursor routes for synthesis of PdTe nanorods and particles: solvent dependent control of shapes. Chemical Communications, 2013, 49, 9344.	4.1	28
62	(Î·5-Cp*)Rh(III)/Ir(III) Complexes with Bis(chalcogenoethers) (E, Eâ€² Ligands: E = S/Se; Eâ€² = S/Se): Synthesis, Structure, and Applications in Catalytic Oppenauer-Type Oxidation and Transfer Hydrogenation. Organometallics, 2014, 33, 983-993.	2.3	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. Dalton Transactions, 2014, 43, 12365.	3.3	27
64	â€˜Clickâ€™ generated 1,2,3-triazole based organosulfur/selenium ligands and their Pd(<scp>ii</scp>) and Ru(<scp>ii</scp>) complexes: their synthesis, structure and catalytic applications. Dalton Transactions, 2016, 45, 11445-11458.	3.3	27
65	Palladacycles of unsymmetrical (N,C^{â^’},E) (E = S/Se) pincers based on indole: their synthesis, structure and application in the catalysis of Heck coupling and allylation of aldehydes. Dalton Transactions, 2016, 45, 6718-6725.	3.3	27
66	Base free N-alkylation of anilines with ArCH₂OH and transfer hydrogenation of aldehydes/ketones catalyzed by the complexes of Î·⁵-Cp*Ir(<scp>iii</scp>) with chalcogenated Schiff bases of anthracene-9-carbaldehyde. Dalton Transactions, 2018, 47, 3764-3774.	3.3	26
67	Ultra-small palladium nano-particles synthesized using bulky S/Se and N donor ligands as a stabilizer: application as catalysts for Suzukiâ€“Miyaura coupling. RSC Advances, 2019, 9, 22313-22319.	3.6	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). Journal of Organometallic Chemistry, 2004, 689, 2346-2353.	1.8	25
69	Bidentate organochalcogen ligands (N, E; Eâ€²=â€²S/Se) as stabilizers for recyclable palladium nanoparticles and their application in Suzukiâ€“Miyaura coupling reactions. Polyhedron, 2019, 171, 120-127.	2.2	25
70	Catalytically active nanosized Pd₉Te₄(telluropalladinite) and PdTe (kotulskite) alloys: first precursor-architecture controlled synthesis using palladium complexes of organotellurium compounds as single source precursors. RSC Advances, 2021, 11, 7214-7224.	3.6	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)Cl2L] and trans-[PdCl2(L)2]. Journal of Organometallic Chemistry, 2000, 613, 244-249.	1.8	24
72	Organotellurium ligands â€” designing and complexation reactions. Journal of Chemical Sciences, 2002, 114, 357-366.	1.5	24

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73	Complex of 2-(methylthio)aniline with palladium(II) as an efficient catalyst for Suzukiâ€“Miyaura CC coupling in eco-friendly water. Journal of Hazardous Materials, 2014, 269, 18-23.	12.4	24
74	Suzuki Coupling Reactions Catalyzed with Palladacycles and Palladium(II) Complexes of 2â€²Thiophenemethylamineâ€Based Schiff Bases: Examples of Divergent Pathways for the Same Ligand. European Journal of Inorganic Chemistry, 2015, 2015, 1542-1551.	2.0	24
75	Cu6Se4.5 Nanoparticles from a single source precursor: Recyclable and efficient catalyst for cross-dehydrogenative coupling of tertiary amines with terminal alkynes. Journal of Molecular Catalysis A, 2016, 423, 135-142.	4.8	24
76	Efficient catalytic activation of Suzukiâ€“Miyaura Câ€“C coupling reactions with recyclable palladium nanoparticles tailored with sterically demanding di-n-alkyl sulfides. RSC Advances, 2015, 5, 20081-20089.	3.6	23
77	Palladium(<scp>ii</scp>) complexes of N,N-diphenylacetamide based thio/selenoethers and flower shaped Pd₁₆S₇and prismatic Pd₁₇Se₁₅nano-particles tailored as catalysts for Câ€“C and Câ€“O coupling. Dalton Transactions, 2017, 46, 10037-10049.	3.3	23
78	Selenium containing imidazolium salt in designing single source precursors for silver bromide and selenide nano-particles. Dalton Transactions, 2013, 42, 2366.	3.3	22
79	Complexes of (Î·⁶-benzene)ruthenium(<scp>ii</scp>) with 1,4-bis(phenylthio/seleno-methyl)-1,2,3-triazoles: synthesis, structure and applications in catalytic activation of oxidation and transfer hydrogenation. Dalton Transactions, 2015, 44, 19141-19152.	3.3	22
80	Regioselective Synthesis ofN²-Alkylated-1,2,3 Triazoles andN¹-Alkylated Benzotriazoles: Cu₂S as a Recyclable Nanocatalyst for Oxidative Amination ofN,N-Dimethylbenzylamines. Journal of Organic Chemistry, 2018, 83, 3226-3235.	3.2	22
81	Chalcogen (S/Se) Ligated Palladium(II) Complexes of Bulky Ligands: Application in Oâ€Arylation of Phenol. ChemistrySelect, 2019, 4, 10765-10769.	1.5	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-C₆H₄TeCH₂CH₂-2-(C₅H₄N)MCl₂(M	2.2	21
83	Sterically hindered selenoether ligands: palladium(<scp>ii</scp>) complexes as catalytic activators for Suzukiâ€“Miyaura coupling. RSC Advances, 2014, 4, 41659-41665.	3.6	21
84	Oxine based unsymmetrical (O^{â^’}, N, S/Se) pincer ligands and their palladium(<scp>ii</scp>) complexes: synthesis, structural aspects and applications as a catalyst in amine and copper-free Sonogashira coupling. New Journal of Chemistry, 2017, 41, 2745-2755.	2.8	21
85	Organoselenium ligand-stabilized copper nanoparticles: Development of a magnetically separable catalytic system for efficient, room temperature and aqueous phase reduction of nitroarenes. Inorganica Chimica Acta, 2021, 522, 120267.	2.4	21
86	Palladium(II) complexes of tridentate chalcogenated Schiff bases and related ligands of (S, N, S/Se/Te) type: Synthesis and structural chemistry. Inorganica Chimica Acta, 2012, 387, 441-445.	2.4	20
87	Synthesis of Potential Tripodal Tellurium Ligands and Their Complexation with Mercury(II). Journal of Coordination Chemistry, 1990, 21, 39-42.	2.2	19
88	Organotellurium Ligands & Their Metal Complexes: Recent Developments. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 903-911.	1.6	19
89	Nanoflowers of Cu_{1.8}S: Free and Decorated on Graphene Oxide (GOâ€“Cu_{1.8}S) as Efficient and Recyclable Catalysts for Câ€“O Coupling. ACS Applied Nano Materials, 2018, 1, 2164-2174.	5.0	19
90	GOâ€“Cu₇S₄ catalyzed ortho-aminomethylation of phenol derivatives with N,N-dimethylbenzylamines: site-selective oxidative CDC. Chemical Communications, 2018, 54, 7511-7514.	4.1	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 Pd16S7). Catalysis Communications, 2021, 149, 106242.	3.3	18
92	First structurally characterized complex of an acyclic tellurated Schiff base [4-MeOC 6 H 4 TeCH 2 CH 2 N C(CH 3)C 6 H 4 -2-OH (L 1 H)] having metalâ€“tellurium bond; synthesis and crystal structure of [PdCl(L 1)]. Inorganic Chemistry Communication, 2004, 7, 502-505.	3.9	17
93	Bivalent Approach for Homodimeric Estradiol Based Ligand: Synthesis and Evaluation for Targeted Theranosis of ER(+) Breast Carcinomas. Bioconjugate Chemistry, 2016, 27, 961-972.	3.6	17
94	Catalysis with magnetically retrievable and recyclable nanoparticles layered with Pd(0) for Câ€“C/Câ€“O coupling in water. RSC Advances, 2020, 10, 6452-6459.	3.6	17
95	Novel 2-(Aryltelluro)Ethylmethyl-Sulfides Synthesis and Ligation with Palladium(II) and Platinum(II). Journal of Coordination Chemistry, 1990, 21, 269-273.	2.2	16
96	Pyrazoleâ€Stabilized Dinuclear Palladium(II) Chalcogenolates Formed by Oxidative Addition of Bis[2â€(4â€bromopyrazolâ€1â€yl)ethyl] Dichalcogenides to Palladium(II) â€“ Tailoring of Pdâ€“S/Se Nanoparticles. European Journal of Inorganic Chemistry, 2015, 2015, 4829-4838.	2.0	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. Industrial & Engineering Chemistry Research, 2004, 43, 2302-2309.	3.7	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). Journal of Organometallic Chemistry, 2006, 691, 3788-3796.	1.8	15
99	Enrichment and flame atomic absorption spectrometric determination of palladium using chelating matrices designed by functionalizing Amberlite XAD-2/16 and silica gel. Mikrochimica Acta, 2007, 159, 149-155.	5.0	15
100	Graphene oxide supported cobalt phosphide nanorods designed from a molecular complex for efficient hydrogen evolution at low overpotential. Chemical Communications, 2019, 55, 2186-2189.	4.1	15
101	1-Ethylthio-2-[2-thienyltelluro]ethane (L) a new (Te,S) ligand: Synthesis and complexation with Ag(I), Cu(I), Pd(II) and Pt(II) â€“ Single crystal structures of [PdCl2(L)] and bis(thienyl) tellurium(IV) chloride. Polyhedron, 2006, 25, 3481-3487.	2.2	13
102	Reactions of benzene based half sandwich ruthenium(II) complex with 2,6-bis((phenylseleno)methyl)pyridine: Preferential substitution of ring resulting in a catalyst of high activity for oxidation of alcohols. Inorganic Chemistry Communication, 2010, 13, 1370-1373.	3.9	13
103	Polymeric Complex of 1â€Phenylsulfanyl/selenylmethylâ€1Hâ€Benzotriazole with Ag(I): Preâ€“catalystfor A³ Coupling Affording Propargylamines on aGram/Lab Scale. ChemistrySelect, 2016, 1, 3573-3579.	1.5	13
104	Chalcone Based Homodimeric PET Agent, ¹¹C-(Chal)₂DEA-Me, for Beta Amyloid Imaging: Synthesis and Bioevaluation. Molecular Pharmaceutics, 2018, 15, 1515-1525.	4.6	13
105	Oxidative Câ€“C bond formation and Câ€“N bond cleavage catalyzed by complexes of copper(<scp>i</scp>) with acridine based (E N E) pincers (E = S/Se), recyclable as a catalyst. Dalton Transactions, 2019, 48, 10129-10137.	3.3	12
106	Solvent-tailored Pd₃P_{0.95} nano catalyst for amideâ€“nitrile inter-conversion, the hydration of nitriles and transfer hydrogenation of the Cî€O bond. Dalton Transactions, 2019, 48, 10962-10970.	3.3	11
107	Palladacycles having normal and spiro chelate rings designed from bi- and tridentate ligands with an indole core: structure, synthesis and applications as catalysts. New Journal of Chemistry, 2017, 41, 11342-11352.	2.8	9
108	SYNTHESIS AND CRYSTAL STRUCTURE OF TRIPHENYLTELLURIUM(IV)ETHYLXANTHATE: AN EXAMPLE OF ENHANCEMENT OF THE COORDINATION NUMBER OF TELLURIUM THROUGH LONG Teâ€S BONDS. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 85, 175-181.	1.6	8

#	Article	IF	Citations
109	Sonogashira Coupling (Cu/Amineâ€Free) of ArBr/Cl in Aerobic Condition and N â€•Benzylation of Aniline with Benzyl Alcohol Catalyzed by Complexes of Pd(II) with Sulfated/Selenated NHCs. ChemistrySelect, 2020, 5, 2925-2934.	1.5	8
110	Aryltelluroacetic Acids-Synthesis and Ligation with Mercury(II). Journal of Coordination Chemistry, 1990, 21, 71-74.	2.2	7
111	A NOVEL DITELLUROETHER LIGAND ArTeCH2CH(OH)CH2TeAr (Ar = 4-CH3OC6H4) AND ITS COMPLEXATION BEHAVIOR. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 80, 95-99.	1.6	7
112	Tellurium-chlorine secondary interactions in palladium(II) complex of MeOC6H4TeCH2CH2NHCH(CH3)C6H4-2-OH resulting in self-assembled bimolecular aggregates with short palladium-palladium distances. Structural Chemistry, 2007, 18, 203-207.	2.0	7
113	Catalytic Synthesis of Bi- and Teraryls in Aqueous Medium with Palladium(II) Complexes of 2-(Pyridine-2-ylmethylsulfanyl)benzoic Acid. European Journal of Inorganic Chemistry, 2015, 2015, 520-526.	2.0	7
114	Tellurium-Ligated Pd(II) Complex of Bulky Organotellurium LigandÂas a Catalyst of Suzuki coupling: First Report on In Situ Generation of Bimetallic AlloyÂâ€˜Telluropalladiniteâ€™ (Pd9Te4)ÂNanoparticles and Role in Highly Efficient Catalysis. Catalysis Letters, 0, , 1.	2.6	7
115	Triphenyltellurium(IV) Diethyldithiocarbamate-Synthesis and Crystal Structure: A New Example Showing Sterically Sensitive Long Teâ€”S Bonds. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 89, 31-37.	1.6	6
116	Macromolecular Chelatorâ€Amberlite XADâ€16 Anchored with 2,3â€Dihydroxypyridine (DHP) for Enrichment of Metal Ions before their Determination by Flame Atomic Absorption Spectrometry. Separation Science and Technology, 2007, 42, 3429-3446.	2.5	6
117	REACTIONS OF ACETYLACETONE WITH ORGANOTELLURIUM(IV) CHLORIDES-C₁BONDED ACETYLACETONATES OF TELLURIUM(IV). Phosphorous and Sulfur and the Related Elements, 1988, 38, 157-165.	0.2	5
118	DI-Î¼-CHLORO-BIS[l,2-BIS(DIPHENYLPHOSPHINO)-ETHANEPALLADIUM(II)]: SYNTHESIS AND CRYSTAL STRUCTURE. Journal of Coordination Chemistry, 1998, 44, 335-342.	2.2	5
119	Synthesis and crystal structures of two new (Te, N,) type hybrid organotellurium ligands. Journal of Chemical Research, 2001, 2001, 339-341.	1.3	5
120	Synthesis and single crystal structural investigations on quaternary salts of tellurated alkylamine derivatives. Inorganica Chimica Acta, 2006, 359, 4619-4626.	2.4	5
121	Synthesis and single crystal structure of a three coordinate complex of mercury(II) with 1-(ethylthio)-2-(diphenylphosphino) ethane (L) prepared by a new simple method. Polyhedron, 2006, 25, 2915-2919.	2.2	5
122	Chalcogenated Schiff bases: Complexation with palladium(II) and Suzuki coupling reactions. Journal of Chemical Sciences, 2012, 124, 1245-1253.	1.5	4
123	Fast Transfer Hydrogenation(TH) in Aerobic Condition and Oxidation of Alcohols with Nâ€Methylmorpholineâ€Nâ€oxide Catalyzed by Ru(II) Ligated with Chalcogenated Pyridines and PPh₃. ChemistrySelect, 2020, 5, 9572-9578.	1.5	4
124	TELLURIUM(II)-THIOSEMICARBAZONE COMPLEXESâ€A PARALLEL TO THE LIGATION OF THIOUREAS. Phosphorous and Sulfur and the Related Elements, 1988, 37, 111-116.	0.2	3
125	COMPLEXES OF DI- AND TERVALENT COBALT, MONO- AND DIVALENT COPPER WITH 2-(2-ARYLTELLUROETHYL) PYRIDINES: SYNTHESIS AND SPECTRA. Journal of Coordination Chemistry, 1996, 39, 313-320.	2.2	3
126	FUNCTIONALIZED DIORGANOTELLURIDE AND DIORGANODITELLURIDE: COMPLEXATION BEHAVIOUR AS A HYBRID (Te, O) LIGAND. Phosphorus, Sulfur and Silicon and the Related Elements, 1997, 126, 291-298.	1.6	3

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127	REACTIONS OF POLYDENTATE FUNCTIONALIZED TELLUROETHERS WITH DI-Î¼-CHLOROBIS-(TRICARBONYL) Tj ETQq1 1 0.784314 rgBT	1.6	3
128	Reactions of tellurium(IV) chloride, aryl-, diaryl-, and triaryl tellurium(IV) chlorides with pyrimidine-2-thiols. Heteroatom Chemistry, 1992, 3, 139-145.	0.7	2
129	Palladium(<scp>ii</scp>) complexes of 2,2â€²-tellurobis(N,N-diphenyl acetamide): efficient catalysts for Suzukiâ€“Miyaura coupling at room temperature under air. New Journal of Chemistry, 2022, 46, 966-973.	2.8	2
130	REACTION OF TETRACLOROPALLADATE (II) WITH BIS(2-CHLOROETHYL)AMINE: SELECTIVE FORMATION OF A trans ISOMER. CRYSTAL STRUCTURE OF trans-[PdCl2{NH(CH2CH2Cl)2}2]. Journal of Coordination Chemistry, 1998, 44, 217-223.	2.2	1
131	Coinage metal chalcogenides via single-source precursors. , 2022, , 531-562.		1