

# Ajai Kumar Singh

## List of Publications by Year in descending order

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18  
papers

819  
citations

516710

16  
h-index

839539

18  
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18  
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18  
docs citations

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times ranked

852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladacycle containing nitrogen and selenium: highly active pre-catalyst for the Suzuki–Miyaura coupling reaction and unprecedented conversion into nano-sized Pd <sub>17</sub> Se <sub>15</sub> . <i>Chemical Communications</i> , 2010, 46, 5954.	4.1	134
2	Palladium( $\kappa^2$ )-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.	3.3	93
3	Palladium(ii) complexes of pyrazolated thio/selenoethers: syntheses, structures, single source precursors of Pd <sub>4</sub> Se and PdSe nano-particles and potential for catalyzing Suzuki–Miyaura coupling. <i>Dalton Transactions</i> , 2013, 42, 3908.	3.3	76
4	Graphene oxide grafted with Pd <sub>17</sub> Se <sub>15</sub> 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.	4.1	62
5	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.	3.3	59
6	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.	5.6	53
7	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.	2.3	45
8	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.	3.3	42
9	Shape dependent catalytic activity of nanoflowers and nanospheres of Pd <sub>4</sub> S generated via one pot synthesis and grafted on graphene oxide for Suzuki coupling. <i>Dalton Transactions</i> , 2014, 43, 12555.	3.3	42
10	Tetragonal Cu <sub>2</sub> 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.	3.3	34
11	<sup>68</sup> Ga based probe for Alzheimer's disease: synthesis and preclinical evaluation of homodimeric chalcone in I <sup>2</sup> -amyloid imaging. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7328.	2.8	32
12	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.	3.3	27
13	Bidentate organochalcogen ligands (N, E; E = S/Se) as stabilizers for recyclable palladium nanoparticles and their application in Suzuki–Miyaura coupling reactions. <i>Polyhedron</i> , 2019, 171, 120-127.	2.2	25
14	Complex of 2-(methylthio)aniline with palladium(II) as an efficient catalyst for Suzuki–Miyaura CC coupling in eco-friendly water. <i>Journal of Hazardous Materials</i> , 2014, 269, 18-23.	12.4	24
15	Selenium containing imidazolium salt in designing single source precursors for silver bromide and selenide nano-particles. <i>Dalton Transactions</i> , 2013, 42, 2366.	3.3	22
16	Nanoflowers of Cu <sub>1.8</sub> S: Free and Decorated on Graphene Oxide (GO–Cu <sub>1.8</sub> S) as Efficient and Recyclable Catalysts for C–O Coupling. <i>ACS Applied Nano Materials</i> , 2018, 1, 2164-2174.	5.0	19
17	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.	3.6	17
18	Chalcone Based Homodimeric PET Agent, <sup>11</sup> C-(Chal) <sub>2</sub> DEA-Me, for Beta Amyloid Imaging: Synthesis and Bioevaluation. <i>Molecular Pharmaceutics</i> , 2018, 15, 1515-1525.	4.6	13