

Aâ€Vijay Kumar

List of Publications by Year in descending order

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40
papers

1,659
citations

331670

21
h-index

289244

40
g-index

51
all docs

51
docs citations

51
times ranked

1884
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano Indium Oxide as a Recyclable Catalyst for C–S Cross-Coupling of Thiols with Aryl Halides under Ligand Free conditions. <i>Organic Letters</i> , 2009, 11, 1697-1700.	4.6	215
2	Indium-Catalyzed C–S Cross-Coupling of Aryl Halides with Thiols. <i>Journal of Organic Chemistry</i> , 2009, 74, 3189-3191.	3.2	173
3	Copper Oxide Nanoparticle-Catalyzed Coupling of Diaryl Diselenide with Aryl Halides under Ligand-Free Conditions. <i>Organic Letters</i> , 2009, 11, 951-953.	4.6	165
4	Recyclable graphite oxide catalyzed Friedel–Crafts addition of indoles to α,β -unsaturated ketones. <i>Tetrahedron Letters</i> , 2011, 52, 5188-5191.	1.4	145
5	Facile and efficient synthesis of 3,4,5-substituted furan-2(5H)-ones by using β -cyclodextrin as reusable catalyst. <i>Tetrahedron</i> , 2009, 65, 5251-5256.	1.9	86
6	Cobalt(II)-Hydroxyphthalimide-Catalyzed Cross-Dehydrogenative Coupling Reaction at Room Temperature under Aerobic Condition. <i>Journal of Organic Chemistry</i> , 2018, 83, 4477-4490.	3.2	71
7	Copper catalyzed oxidation of sulfides to sulfoxides with aqueous hydrogen peroxide. <i>Tetrahedron Letters</i> , 2005, 46, 3819-3822.	1.4	70
8	Recyclable Heterogeneous Iron Catalyst for C–N Cross-Coupling under Ligand-Free Conditions. <i>Journal of Organic Chemistry</i> , 2009, 74, 7514-7517.	3.2	66
9	Multicomponent Approach Towards the Synthesis of Substituted Pyrroles under Supramolecular Catalysis Using β -Cyclodextrin as a Catalyst in Water Under Neutral Conditions. <i>Helvetica Chimica Acta</i> , 2009, 92, 2118-2124.	1.6	60
10	Synthesis of Unsymmetrical Sulfides Using Ethyl Potassium Xanthogenate and Recyclable Copper Catalyst under Ligand-Free Conditions. <i>Journal of Organic Chemistry</i> , 2011, 76, 6819-6824.	3.2	59
11	Unexpected C–Se Cross-Coupling Reaction: Copper Oxide Catalyzed Synthesis of Symmetrical Diaryl Selenides via Cascade Reaction of Selenourea with Aryl Halides/Boronic Acids. <i>Journal of Organic Chemistry</i> , 2010, 75, 8720-8723.	3.2	47
12	A biomimetic magnetically recoverable palladium nanocatalyst for the Suzuki cross-coupling reaction. <i>RSC Advances</i> , 2016, 6, 46864-46870.	3.6	47
13	Polydopamine: An Amine Oxidase Mimicking Sustainable Catalyst for the Synthesis of Nitrogen Heterocycles under Aqueous Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8274-8286.	6.7	46
14	New strategy for the synthesis of N-aryl pyrroles: Cu-catalyzed C–N cross-coupling reaction of trans-4-hydroxy-L-proline with aryl halides. <i>Tetrahedron Letters</i> , 2011, 52, 777-780.	1.4	35
15	Synthesis, Structure and Application of Chiral Copper(II) Coordination Polymers for Asymmetric Acylation. <i>Inorganic Chemistry</i> , 2008, 47, 5093-5098.	4.0	30
16	Copper oxide nanoparticles catalyzed vinylation of imidazoles with vinyl halides under ligand-free conditions. <i>Tetrahedron Letters</i> , 2010, 51, 3181-3185.	1.4	29
17	Recyclable graphite oxide promoted efficient synthesis of 2-phenyl quinazoline derivatives in the presence of TBHP as an oxidant. <i>Tetrahedron Letters</i> , 2012, 53, 4613-4617.	1.4	29
18	Potassium selenocyanate as an efficient selenium source in C–Se cross-coupling catalyzed by copper iodide in water. <i>Tetrahedron Letters</i> , 2011, 52, 3978-3981.	1.4	28

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19	Novel Aqueous Phase Supramolecular Synthesis of 3- <i>Pyrryl</i> indolin-2-ones and <i>Pyrryl</i> indeno[1,2- <i>b</i>]quinoxalines. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1489-1492.	4.3	27
20	Recyclable Supramolecular Ruthenium Catalyst for the Selective Aerobic Oxidation of Alcohols on Water: Application to Total Synthesis of Brittonin A. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3264-3278.	6.7	26
21	Cu(II)-Glucose: Sustainable Catalyst for the Synthesis of Quinazolinones in a Biomass-Derived Solvent 2-MethylTHF and Application for the Synthesis of Diproqualone. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14283-14291.	6.7	24
22	Lanthanum-catalyzed stereoselective synthesis of vinyl sulfides and selenides. <i>Tetrahedron Letters</i> , 2010, 51, 293-296.	1.4	21
23	Magnetically recyclable iron oxide nanoparticles for the β -cyanation of amines under acid-free conditions and the formal synthesis of praziquantel. <i>RSC Advances</i> , 2015, 5, 54505-54509.	3.6	18
24	trans-4-Hydroxy-L-proline: a novel starting material for N-alkylpyrroles synthesis. <i>Tetrahedron Letters</i> , 2011, 52, 3237-3239.	1.4	15
25	A Bio-Inspired Magnetically Recoverable Palladium Nanocatalyst for the Ullmann Coupling reaction of Aryl halides and Arylboronic acids In Aqueous Media. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5570.	3.5	15
26	Glycerol as a Recyclable Solvent for Copper-Mediated Ligand-Free C-S Cross-Coupling Reaction: Application to Synthesis of Gemmacin Precursor. <i>ChemistrySelect</i> , 2017, 2, 4852-4856.	1.5	13
27	Unprecedented Concomitant Formation of Cu ₂ O-CD Nano-Superstructures During the Aerobic Oxidation of Alcohols and Their Catalytic Use in the Propargylation Reaction: A Simultaneous Catalysis and Metal Waste Valorization (SCMWV) Method. <i>ACS Omega</i> , 2017, 2, 6405-6414.	3.5	12
28	Biomimetic Clauson-Kass and Paal-Knorr Pyrrole Synthesis Using β -Cyclodextrin- SO_3H under Aqueous and Neat Conditions - Application to Formal Synthesis of Polygonatine. <i>ChemistrySelect</i> , 2018, 3, 9812-9818.	1.5	12
29	Bioinspired Palladium Nanoparticles Supported on Soil-Derived Humic Acid Coated Iron-Oxide Nanoparticles as Catalyst for C-C Cross-Coupling and Reduction Reactions. <i>Catalysis Letters</i> , 2019, 149, 1224-1236.	2.6	11
30	Copper-catalyzed Stereoselective Synthesis of Vinyl Selenides under Ligand-free Conditions. <i>Chemistry Letters</i> , 2010, 39, 212-214.	1.3	10
31	Three-component one-pot synthesis of N-arylsulfonyl-2-iminocoumarins. <i>Tetrahedron</i> , 2018, 74, 1900-1907.	1.9	9
32	Photo-induced $\text{sp}^3\text{-C-H}$ bond arylation, cyanation and nitroalkylation of tetrahydroisoquinolines (THIQs) under visible light irradiation using a combination of NHPI and Rose Bengal. <i>Chemistry - an Asian Journal</i> , 2020, 15, 4302-4306.	3.3	8
33	Recyclable Nano Copper Oxide Catalyzed Stereoselective Synthesis of Vinyl Sulfides under Ligand-Free Conditions. <i>Synlett</i> , 2009, 2009, 2783-2788.	1.8	7
34	Aqueous-Phase Aerobic Oxidation of Alcohols by Ru/C in the Presence of Cyclodextrin: One-Pot Biomimetic Approach to Quinoxaline Synthesis. <i>Synlett</i> , 2010, 2010, 2571-2574.	1.8	7
35	Recyclable Iron/Graphite Catalyst for C-S Cross Coupling of Thiols with Aryl Halides under Ligand-Free Conditions. <i>Synlett</i> , 2010, 2010, 1260-1264.	1.8	5
36	A room temperature one-pot Knoevenagel-Chan-Evans-Lam coupling reaction for synthesis of N-aryl-2-iminocoumarins in bio-mass-derived green solvent 2-methylTHF. <i>Tetrahedron Letters</i> , 2019, 60, 150940.	1.4	5

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37	Copper-Catalyzed Imino C=N Bond Formation with Aryl Boronic Acids under Aerobic Conditions. <i>Synlett</i> , 2016, 27, 1408-1412.	1.8	4
38	<i>N</i> -Aryl iminochromenes inhibit cyclooxygenase enzymes via π - π stacking interactions and present a novel class of anti-inflammatory drugs. <i>RSC Advances</i> , 2021, 11, 29385-29393.	3.6	4
39	Cu ₂ O@CD nanosuperstructures as a Biomimetic Catalyst for Oxidation of Benzylic C-H bonds and Secondary Amines using Molecular Oxygen: First Total Synthesis of proposed Swerilactone O. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	3
40	Metal-Free One-Pot Domino Synthesis of Oxazolidinone Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	2