

# Krishnan Venkatasubbaiah

## List of Publications by Year in descending order

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72  
papers

2,452  
citations

218677

26  
h-index

206112

48  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent Triarylborane-Functionalized Polystyrene: Synthesis, Photophysical Characterization, and Anion-Binding Studies. <i>Journal of the American Chemical Society</i> , 2006, 128, 12879-12885.	13.7	302
2	Tuning Cooperativity by Controlling the Linker Length of Silica-Supported Amines in Catalysis and CO <sub>2</sub> Capture. <i>Journal of the American Chemical Society</i> , 2012, 134, 13950-13953.	13.7	165
3	Cooperative Catalysis with Acid-Base Bifunctional Mesoporous Silica: Impact of Grafting and Co-condensation Synthesis Methods on Material Structure and Catalytic Properties. <i>Chemistry of Materials</i> , 2012, 24, 2433-2442.	6.7	146
4	Organoborane Acceptor-Substituted Polythiophene via Side-Group Borylation. <i>Journal of the American Chemical Society</i> , 2007, 129, 5792-5793.	13.7	135
5	Electronic Communication and Negative Binding Cooperativity in Diborylated Bithiophenes. <i>Journal of the American Chemical Society</i> , 2006, 128, 16554-16565.	13.7	126
6	Reversible Expansion and Contraction of a 1,2-Diborylated Ferrocene Dimer Promoted by Redox Chemistry and Nucleophile Binding. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5428-5433.	13.8	80
7	Enhanced Cooperativity through Design: Pendant Co <sup>III</sup> Salen Polymer Brush Catalysts for the Hydrolytic Kinetic Resolution of Epichlorohydrin (Salen=N <sub>2</sub> â€²Bis(salicylidene)ethylenediamine Dianion). <i>Chemistry - A European Journal</i> , 2008, 14, 7306-7313.	3.3	71
8	Lewis acidity enhancement of organoboranes via oxidation of appended ferrocene moieties. <i>Chemical Communications</i> , 2007, , 2154-2156.	4.1	66
9	Examination of the Mixed-Valence State of the Doubly Boron-Bridged Diferrocene Cation [(FeCp) <sub>2</sub> {1/4C <sub>10</sub> H <sub>6</sub> (BPh) <sub>2</sub> }] <sup>+</sup> . <i>Chemistry - A European Journal</i> , 2008, 14, 444-458.	3.3	57
10	Simultaneous Fluoride Binding to Ferrocene-Based Heteronuclear Bidentate Lewis Acids. <i>Inorganic Chemistry</i> , 2007, 46, 10174-10186.	4.0	53
11	Palladacycle-Phosphine Catalyzed Methylation of Amines and Ketones Using Methanol. <i>Journal of Organic Chemistry</i> , 2019, 84, 10472-10480.	3.2	52
12	Isolation and Characterization of Regioisomers of Pyrazole-Based Palladacycles and Their Use in $\alpha$ -Alkylation of Ketones Using Alcohols. <i>Organometallics</i> , 2017, 36, 3343-3351.	2.3	49
13	Tetracoordinate Imidazole-Based Boron Complexes for the Selective Detection of Picric Acid. <i>Inorganic Chemistry</i> , 2016, 55, 11153-11159.	4.0	48
14	Recyclable Polymer- and Silica-Supported Ruthenium(II)-Salen Bispyridine Catalysts for the Asymmetric Cyclopropanation of Olefins. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1344-1354.	4.3	47
15	Co(III)-Porphyrin-Mediated Highly Regioselective Ring-Opening of Terminal Epoxides with Alcohols and Phenols. <i>ACS Catalysis</i> , 2011, 1, 489-492.	11.2	43
16	A Versatile Co(bisalen) Unit for Homogeneous and Heterogeneous Cooperative Catalysis in the Hydrolytic Kinetic Resolution of Epoxides. <i>Chemistry - A European Journal</i> , 2009, 15, 3951-3955.	3.3	42
17	Polymer and Silica Supported Tridentate Schiff Base Vanadium Catalysts for the Asymmetric Oxidation of Ethyl Mandelate: Activity, Stability and Recyclability. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2823-2834.	4.3	41
18	Tuning the electronic structure of diboradiferrocenes. <i>Dalton Transactions</i> , 2008, , 4507.	3.3	38

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19	Synthesis and Electronic Structure of Ferrocenylborane-Modified Quaterthiophenes and Polythiophenes. <i>Macromolecules</i> , 2011, 44, 95-103.	4.8	37
20	A highly selective ratiometric detection of F <sup>+</sup> based on excited-state intramolecular proton-transfer (imidazole) materials. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8599-8606.	5.5	33
21	Synthesis and Optical Properties of Salicylaldimine-Based Diboron Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 539-545.	2.0	32
22	Planar Chiral Organoborane Lewis Acids Derived from Naphthylferrocene. <i>Chemistry - A European Journal</i> , 2010, 16, 8861-8867.	3.3	31
23	Factors influencing recyclability of Co(III)-salen catalysts in the hydrolytic kinetic resolution of epichlorohydrin. <i>Journal of Molecular Catalysis A</i> , 2010, 316, 8-15.	4.8	31
24	Tetraaryl pyrazole polymers: versatile synthesis, aggregation induced emission enhancement and detection of explosives. <i>Polymer Chemistry</i> , 2015, 6, 7764-7770.	3.9	31
25	Recent advances in the synthesis of luminescent tetra-coordinated boron compounds. <i>Dalton Transactions</i> , 2022, 51, 5751-5771.	3.3	31
26	Examination of the Pyridine Binding to the Bifunctional Lewis Acid B <sub>2</sub> -Diphenyldiboradiferrocene. <i>Organometallics</i> , 2008, 27, 3056-3064.	2.3	27
27	Highly active oligomeric Co(salen) catalysts for the asymmetric synthesis of $\beta$ -aryloxy or $\beta$ -alkoxy alcohols via kinetic resolution of terminal epoxides. <i>Journal of Molecular Catalysis A</i> , 2010, 329, 1-6.	4.8	27
28	Pentafluorophenyl Copper-Pyridine Complexes: Synthesis, Supramolecular Structures via Cuprophilic and $\pi$ -Stacking Interactions, and Solid-State Luminescence. <i>Organometallics</i> , 2012, 31, 1546-1558.	2.3	26
29	Ratiometric sensing of fluoride anion through selective cleavage of Si O bond. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 175-180.	7.8	25
30	Kinetic Evaluation of Cooperative [Co(salen)] Catalysts in the Hydrolytic Kinetic Resolution of <i>rac</i> -Epichlorohydrin. <i>ChemCatChem</i> , 2010, 2, 1252-1259.	3.7	24
31	Synthesis, characterization and aggregation induced enhanced emission properties of tetraaryl pyrazole decorated cyclophosphazenes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3523-3530.	5.5	24
32	Cyclometalated palladium pre-catalyst for N-alkylation of amines using alcohols and regioselective alkylation of sulfanilamide using aryl alcohols. <i>Tetrahedron</i> , 2017, 73, 2225-2233.	1.9	24
33	Rational Synthesis and Complexation Behavior of the Bidentate Lewis Acid 1,2-Bis(chloromercury)ferrocene. <i>Organometallics</i> , 2005, 24, 6043-6050.	2.3	23
34	Synthesis of phenanthroimidazole-based four coordinate organoboron compounds. <i>Tetrahedron</i> , 2018, 74, 5819-5825.	1.9	21
35	Tetrahydrodibenzophenanthridine-Based Boron-Bridged Polycyclic Aromatic Hydrocarbons: Synthesis, Structural Diversity, and Optical Properties. <i>Organometallics</i> , 2019, 38, 870-878.	2.3	21
36	Synthesis of a cyclometalated 1,3,5-triphenylpyrazole palladium dimer and its activity towards cross coupling reactions. <i>Dalton Transactions</i> , 2015, 44, 5805-5809.	3.3	20

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37	B $\pi$ -N coordinated triaryl pyrazole: effect of dimerization, and optical and NLO properties. Journal of Materials Chemistry C, 2019, 7, 12725-12737.	5.5	20
38	Binary stacks of [CuC <sub>6</sub> F <sub>5</sub> ] <sub>4</sub> with arenes. Chemical Communications, 2008, , 4264.	4.1	19
39	Oxidative Heck Coupling Using Pd(II) Supported on Organosilane-Functionalized Silica Mesocellular Foam. Topics in Catalysis, 2010, 53, 1048-1054.	2.8	18
40	Catalytic Regioselective Epoxide Ring Opening with Phenol Using Homogeneous and Supported Analogues of Dimethylaminopyridine. Topics in Catalysis, 2012, 55, 432-438.	2.8	18
41	Mechanisms and dynamics of protonation and lithiation of ferrocene. Physical Chemistry Chemical Physics, 2015, 17, 22204-22209.	2.8	18
42	Synthesis of highly fluorescent imidazole based diboron complex. Journal of Organometallic Chemistry, 2018, 865, 234-238.	1.8	17
43	Effect of Counter-Ion on Recycle of Polymer Resin Supported Co(III)-Salen Catalysts in the Hydrolytic Kinetic Resolution of Epichlorohydrin. Topics in Catalysis, 2010, 53, 1063-1065.	2.8	16
44	Evaluation of enantiopure and non-enantiopure Co(III)-salen catalysts and their counter-ion effects in the hydrolytic kinetic resolution (HKR) of racemic epichlorohydrin. Journal of Molecular Catalysis A, 2013, 366, 1-7.	4.8	16
45	Design, synthesis, photophysical and electrochemical properties of 2-(4,5-diphenyl-1-p-aryl-1H-imidazol-2-yl)phenol-based boron complexes. Dalton Transactions, 2015, 44, 10228-10236.	3.3	16
46	Mono- and Dimetalated Ferrocenylcopper Complexes by Tin $\pi$ -Copper Exchange. Angewandte Chemie - International Edition, 2006, 45, 6838-6841.	13.8	15
47	Resolution of Planar-Chiral Ferrocenylborane Lewis Acids: The Impact of Steric Effects on the Stereoselective Binding of Ephedrine Derivatives. Organometallics, 2009, 28, 4141-4149.	2.3	15
48	Synthesis of $\pi$ -extended B $\pi$ -N coordinated phenanthroimidazole dimers and their linear and nonlinear optical properties. Dalton Transactions, 2020, 49, 7737-7746.	3.3	15
49	Binding of a 2-pyridyl moiety to a B/Sn bidentate Lewis acid. Inorganica Chimica Acta, 2010, 364, 162-166.	2.4	14
50	Synthesis and characterization of poly(tetraphenylimidazole)s and their application in the detection of fluoride ions. RSC Advances, 2020, 10, 13149-13154.	3.6	14
51	Cobalt(II)porphyrin-Mediated Selective Synthesis of 1,5-Diketones via an Interrupted-Borrowing Hydrogen Strategy Using Methanol as a C <sub>1</sub> Source. Journal of Organic Chemistry, 2021, 86, 6744-6754.	3.2	14
52	Soluble and Supported Molecular Co <sup>III</sup> Catalysts for the Regioselective Ring $\pi$ Opening of 1,2- $\pi$ Epoxyhexane with Methanol. ChemCatChem, 2013, 5, 201-209.	3.7	12
53	Variation of <i>para</i> Substituent on 2- $\pi$ Phenol of Tetraaryl $\pi$ -Substituted Imidazole $\pi$ Boron Difluoride Complexes: Synthesis, Characterization, and Photophysical Properties. Asian Journal of Organic Chemistry, 2017, 6, 1054-1062.	2.7	12
54	Seven-coordinate Ln <sup>III</sup> complexes assembled from a bulky <sup>Mes</sup> acacH ligand: their synthesis, structure, photoluminescence and SMM behaviour. Dalton Transactions, 2020, 49, 15404-15416.	3.3	9

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55	Synthesis, photophysical and electrochemical properties of naphthalimine based boron complexes. <i>Journal of Organometallic Chemistry</i> , 2019, 891, 20-27.	1.8	8
56	Palladium mediated one-pot synthesis of 3-aryl-cyclohexenones and 1,5-diketones from allyl alcohols and aryl ketones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1386-1394.	2.8	8
57	Thiophene-fused boracycles as photoactive analogues of diboraanthracenes. <i>Chemical Communications</i> , 2021, 57, 10170-10173.	4.1	7
58	Palladium-Catalyzed Synthesis of $\alpha$ -Methyl Ketones from Allylic Alcohols and Methanol. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 413-419.	4.3	7
59	Chemoselective Alkylation of Aminoacetophenones with Alcohols by Using a Palladacycle-Phosphine Catalyst. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6286-6296.	2.4	6
60	Synthesis of pyrazole anchored three-coordinated organoboranes and their application in the detection of picric acid. <i>Dalton Transactions</i> , 2021, 50, 6204-6212.	3.3	6
61	Serendipitous base catalysed condensation-heteroannulation of iminoesters: a regioselective route to the synthesis of 4,6-disubstituted 5-azaindoles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1582-1587.	2.8	6
62	Tetra-coordinated boron-appended zinc(salen)-a highly selective fluorescence-based sensor for Sm <sup>3+</sup> ions via sensitization. <i>Materials Advances</i> , 2022, 3, 5893-5899.	5.4	6
63	Phosphazenes. <i>Organophosphorus Chemistry</i> , 2018, , 363-424.	0.3	5
64	Synthesis, Photophysical, Electrochemical, and Non-linear Optical Properties of Triaryl Pyrazole-based $\pi$ -Coordinated Boron Compounds. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	5
65	Structure and reactivity of a planar chiral naphthylferrocenylcopper heteroaggregate. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1247-1251.	1.7	4
66	Synthesis of 1-indolyl-3,5,8-substituted $\beta$ -carbolines: one-pot solvent-free protocol and biological evaluation. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 1453-1463.	2.2	3
67	Palladium-Mediated Tandem Isomerization-Methylenation of Allyl Alcohols: One-Pot Synthesis of 1,5-Diketones. <i>Journal of Organic Chemistry</i> , 2021, 86, 13744-13753.	3.2	3
68	Synthesis and complexation behavior of 3,4-bis(chloromercurio)2,5-dimethylthiophene. <i>Journal of Organometallic Chemistry</i> , 2021, 950, 121977.	1.8	3
69	Ligand-Controlled Ruthenium-Catalyzed Borrowing-Hydrogen and Interrupted-Borrowing-Hydrogen Methodologies: Functionalization of Ketones Using Methanol as a C1 Source. <i>Journal of Organic Chemistry</i> , 2023, 88, 5135-5146.	3.2	3
70	Mercuration of ferrocenyl- p -tolyl sulfoxide and its conversion to 1,2-disubstituted ferrocenes. <i>Journal of Organometallic Chemistry</i> , 2017, 853, 74-80.	1.8	2
71	Effect of methyl at the 1-phenyl of tetraaryl substituted imidazole boron difluoride complexes: synthesis, characterization, photophysical and electrochemical studies. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	1.5	2
72	Tribophosphorescence from a Simple Boronic Ester. <i>ChemPhotoChem</i> , 2022, 6, .	3.0	1