

# Kirpal S Bisht

## List of Publications by Year in descending order

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70  
papers

2,890  
citations

257450

24  
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168389

53  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytochemistry of the genus Piper. <i>Phytochemistry</i> , 1997, 46, 597-673.	2.9	709
2	Enzyme-Catalyzed Ring-Opening Polymerization of $\epsilon$ -Pentadecalactone. <i>Macromolecules</i> , 1997, 30, 2705-2711.	4.8	187
3	Lipase-Catalyzed Ring-Opening Polymerization of Trimethylene Carbonate. <i>Macromolecules</i> , 1997, 30, 7735-7742.	4.8	156
4	Review Article Number 138. <i>Phytochemistry</i> , 1999, 50, 1267-1304.	2.9	144
5	Ethyl Glucoside as a Multifunctional Initiator for Enzyme-Catalyzed Regioselective Lactone Ring-Opening Polymerization. <i>Journal of the American Chemical Society</i> , 1998, 120, 1363-1367.	13.7	141
6	Novel Functional Polycarbonate by Lipase-Catalyzed Ring-Opening Polymerization of 5-Methyl-5-benzoyloxycarbonyl-1,3-dioxan-2-one. <i>Macromolecules</i> , 1999, 32, 6536-6540.	4.8	131
7	Enzyme-Mediated Regioselective Acylations of Sophorolipids. <i>Journal of Organic Chemistry</i> , 1999, 64, 780-789.	3.2	102
8	Enzyme-Catalyzed Ring-Opening Copolymerization of 5-Methyl-5-benzoyloxycarbonyl-1,3-dioxan-2-one (MBC) with Trimethylene Carbonate (TMC): Synthesis and Characterization. <i>Biomacromolecules</i> , 2000, 1, 493-500.	5.4	94
9	Solventless Enantioselective Ring-Opening Polymerization of Substituted $\epsilon$ -Caprolactones by Enzymatic Catalysis. <i>Macromolecules</i> , 2002, 35, 3380-3386.	4.8	86
10	Chemoenzymatic Synthesis of a Multiarm Poly(lactide-co- $\epsilon$ -caprolactone). <i>Macromolecules</i> , 1999, 32, 5159-5161.	4.8	59
11	Functionalized Polycarbonate Derived from Tartaric Acid: Enzymatic Ring-Opening Polymerization of a Seven-Membered Cyclic Carbonate. <i>Biomacromolecules</i> , 2008, 9, 2921-2928.	5.4	54
12	Anti-invasive activity of alkaloids and polyphenolics in vitro. <i>Bioorganic and Medicinal Chemistry</i> , 1997, 5, 1609-1619.	3.0	52
13	Schiff Bases of Amino Acid Esters as New Substrates for the Enantioselective Enzymatic Hydrolysis and Accompanied Asymmetric Transformations in Aqueous Organic Solvents <sup>1,2</sup> . <i>Journal of Organic Chemistry</i> , 1996, 61, 1223-1227.	3.2	48
14	Novel chemoselective de-esterification of esters of polyacetoxy aromatic acids by lipases. <i>Tetrahedron</i> , 1997, 53, 2163-2176.	1.9	47
15	One-step synthesis of polycarbonates bearing pendant carboxyl groups by lipase-catalyzed ring-opening polymerization. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1267-1274.	2.3	46
16	Identification of a novel inhibitor of JAK2 tyrosine kinase by structure-based virtual screening. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3598-3601.	2.2	43
17	Lignans and neolignans from Piper schmidtii. <i>Phytochemistry</i> , 1993, 32, 445-448.	2.9	39
18	Diastereo- and enantioselective esterification of butane-2,3-diol catalysed by the lipase from pseudomonas fluorescens.. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 957-958.	1.8	35

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19	Highly oxygenated bioactive flavones from Tamarix. <i>Phytochemistry</i> , 1994, 36, 507-511.	2.9	35
20	Synthesis of novel bis- and tris-(cyclic carbonate)s and their use in preparation of polymer networks. <i>Polymer</i> , 2002, 43, 2161-2167.	3.8	35
21	Enzyme-catalyzed regioselective transesterification of peracylated sophorolipids. <i>Tetrahedron</i> , 2003, 59, 7713-7724.	1.9	28
22	Pd(0) catalyzed intramolecular alkylation: stereoselective synthesis of furan and isoxazoline-2-oxide analogs. <i>Tetrahedron</i> , 2007, 63, 1116-1126.	1.9	27
23	One-Shot Block Copolymerization of a Functional Seven-Membered Cyclic Carbonate Derived from l-Tartaric Acid with $\epsilon$ -Caprolactone. <i>Macromolecules</i> , 2009, 42, 2401-2410.	4.8	27
24	Neolignans and a lignan from <i>Piper clarkii</i> . <i>Phytochemistry</i> , 1995, 39, 655-658.	2.9	25
25	Regioselective enzyme-catalyzed deacetylation of benzyl phenyl ketone peracetates in organic solvents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1993, 3, 585-588.	2.2	23
26	Chemoprevention of carcinogen-DNA binding: the relative role of different oxygenated substituents on 4-methylcoumarins in the inhibition of aflatoxin B1-DNA binding in vitro. <i>Bioorganic and Medicinal Chemistry</i> , 1996, 4, 2225-2228.	3.0	23
27	Lipase-catalyzed solvent-free kinetic resolution of substituted racemic $\epsilon$ -caprolactones. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 129-135.	1.8	23
28	Biotransformations in the regioselective deacetylation of polyphenolic peracetates in organic solvents. <i>Bioorganic and Medicinal Chemistry</i> , 1994, 2, 1015-1020.	3.0	22
29	Spatially directional multiarm poly( $\epsilon$ -caprolactone) based on resorcin[4]arene cavitand core. <i>Chemical Communications</i> , 2009, , 1822-1824.	4.1	21
30	Lipase-catalysed selective deacetylation of phenolic/enolic acetoxy groups in peracetylated benzyl phenyl ketones. <i>Bioorganic and Medicinal Chemistry</i> , 1998, 6, 109-118.	3.0	20
31	Glycolipids from <i>Candida bombicola</i> : Polymerization of a 6-O-Acryloyl Sophorolipid Derivative. <i>Macromolecules</i> , 2000, 33, 6208-6210.	4.8	20
32	Photopolymerization-based synthesis of iron oxide nanoparticle embedded PNIPAM nanogels for biomedical applications. <i>Drug Delivery</i> , 2017, 24, 1317-1324.	5.7	20
33	Lipase-catalyzed resolution of 4-aryl-substituted $\beta$ -lactams: effect of substitution on the 4-aryl ring. <i>Tetrahedron</i> , 2003, 59, 9147-9160.	1.9	19
34	Effective heterogeneous hydrolysis of phosphodiester by pyridine-containing metallopolymers. <i>Inorganica Chimica Acta</i> , 2005, 358, 1247-1252.	2.4	19
35	Lignans and neolignans from stems and fruits of <i>Piper wightii</i> . <i>Tetrahedron</i> , 1994, 50, 2231-2240.	1.9	18
36	Protein Kinase C $\gamma$ (PKC $\gamma$ ) Splice Variants Modulate Apoptosis Pathway in 3T3L1 Cells during Adipogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 26834-26846.	3.4	18

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37	Synthesis of a novel resorcin[4]arene- $\alpha$ -glucose conjugate and its catalysis of the CuAAC reaction for the synthesis of 1,4-disubstituted 1,2,3-triazoles in water. <i>RSC Advances</i> , 2019, 9, 10109-10116.	3.6	17
38	Enantioselective Synthesis of Imperanene via Enzymatic Asymmetrization of an Intermediary 1,3-Diol. <i>Organic Letters</i> , 2004, 6, 3297-3300.	4.6	16
39	Spatially Directional Resorcin[4]arene Cavitand Glycoconjugates for Organic Catalysis. <i>Chemistry - A European Journal</i> , 2016, 22, 6223-6227.	3.3	16
40	Iron(III) Complexes of Metal- $\pi$ -Binding Copolymers as Proficient Catalysts for Acid Hydrolysis of Phosphodiester and Oxidative DNA Cleavage - Insight into the Rational Design of Functional Metallopolymers. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1199-1207.	2.0	15
41	The Stilbenoid Tyrosine Kinase Inhibitor, G6, Suppresses Jak2-V617F-mediated Human Pathological Cell Growth in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2011, 286, 4280-4291.	3.4	15
42	Influence of a resorcin[4]arene core structure on the spatial directionality of multi-arm poly( $\mu$ -caprolactone)s. <i>RSC Advances</i> , 2014, 4, 16864-16870.	3.6	14
43	Neolignans from <i>Piper schmidtii</i> and Reassignment of the Structure of Schmiditin.. <i>Acta Chemica Scandinavica</i> , 1995, 49, 142-148.	0.7	14
44	A benzoic acid ester from <i>Uvaria narum</i> . <i>Phytochemistry</i> , 1995, 38, 951-955.	2.9	13
45	Synthesis of polyhydroxy cavitands and intramolecular inclusion of their octaester derivatives. <i>Tetrahedron</i> , 2004, 60, 10859-10868.	1.9	13
46	Benzofuranoid Neolignans from <i>Piper wightii</i> Miq... <i>Acta Chemica Scandinavica</i> , 1994, 48, 1007-1011.	0.7	12
47	Intramolecular inclusion in novel octaester cavitands Electronic supplementary information (ESI) available: experimental; spectral data. See <a href="http://www.rsc.org/suppdata/cc/b3/b316498e/">http://www.rsc.org/suppdata/cc/b3/b316498e/</a> . <i>Chemical Communications</i> , 2004, , 954.	4.1	11
48	Synthesis of resorcin[4]arene cavitands by ring-closing metathesis. <i>Chemical Communications</i> , 2007, , 4901.	4.1	11
49	Structure-Function Correlation of G6, a Novel Small Molecule Inhibitor of Jak2. <i>Journal of Biological Chemistry</i> , 2010, 285, 31399-31407.	3.4	11
50	The Jak2 Inhibitor, G6, Alleviates Jak2-V617F-Mediated Myeloproliferative Neoplasia by Providing Significant Therapeutic Efficacy to the Bone Marrow. <i>Neoplasia</i> , 2011, 13, 1058-1068.	5.3	11
51	Lignans and neolignans from stems of <i>Piper wightii</i> . <i>Tetrahedron</i> , 1994, 50, 10579-10586.	1.9	10
52	Hydrolytic reactions on polyphenolic perpropanoates by porcine pancreatic lipase immobilized in microemulsion-based gels. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 2269-2274.	2.2	10
53	Thiocyanation and 2-Amino-1,3-thiazole Formation in Water Using Recoverable and Reusable Glycosylated Resorcin[4]arene Cavitands. <i>Journal of Organic Chemistry</i> , 2020, 85, 9928-9935.	3.2	10
54	Synthesis of glycolipid analogs via highly regioselective macrolactonization catalyzed by lipase. <i>Tetrahedron Letters</i> , 2006, 47, 8645-8649.	1.4	9

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55	How Well Should the Active Site and the Specific Recognition Be Defined for Proficient Catalysis? â€“ Effective and Cooperative Polyphenol/Catechol Oxidation and Oxidative DNA Cleavage by a Copper(II)â€“Binding and Hâ€“Bonding Copolymer. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2584-2592.	2.0	8
56	Identification of novel SAR properties of the Jak2 small molecule inhibitor G6: Significance of the para-hydroxyl orientation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1402-1407.	2.2	8
57	Methylenedioxyphenyl substituted compounds from Piper species as inhibitors of liver microsome-mediated aflatoxin B1-DNA binding in vitro. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 1567-1572.	2.2	7
58	The Small Molecule Inhibitor G6 Significantly Reduces Bone Marrow Fibrosis and the Mutant Burden in a Mouse Model of Jak2-Mediated Myelofibrosis. <i>American Journal of Pathology</i> , 2012, 181, 858-865.	3.8	7
59	The Jak2 Small Molecule Inhibitor, G6, Reduces the Tumorigenic Potential of T98G Glioblastoma Cells In Vitro and In Vivo. <i>PLoS ONE</i> , 2014, 9, e105568.	2.5	7
60	Synthesis and X-Ray Structure of 2-(3-Methyl-2-butenyl)-3,4,5-trimethoxyphenol: a Potent Anti-Invasive Agent Against Solid Tumours.. <i>Acta Chemica Scandinavica</i> , 1996, 50, 558-560.	0.7	7
61	Multifold ring closing metathesis reactions in the formation of resorcin[4]arene cavitands. <i>RSC Advances</i> , 2015, 5, 25477-25484.	3.6	6
62	Synthesis of Functional Polycarbonates from Renewable Resources. <i>ACS Symposium Series</i> , 2010, , 175-199.	0.5	3
63	The Biosynthesis and Metabolism of the N-Acylated Aromatic Amino Acids: N-Acylphenylalanine, N-Acyltyrosine, N-Acyltryptophan, and N-Acylhistidine. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 801749.	3.5	3
64	Enzymatic Polymerization of Poly(Î¼-CL) Containing an Ethyl Glucopyranoside Head Group: An NMR Study. <i>Applied Spectroscopy</i> , 1998, 52, 1472-1478.	2.2	2
65	Enantioenriched Substituted Polycaprolactones by Enzyme Catalysis. <i>ACS Symposium Series</i> , 2005, , 366-392.	0.5	2
66	Efforts to remove aqueous lithium ion using OctoligÂ® and methylated derivatives. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 946-949.	1.7	2
67	Synthesis, Quantification, and Characterization of Fatty Acid Amides from In Vitro and In Vivo Sources. <i>Molecules</i> , 2021, 26, 2543.	3.8	2
68	The Synthesis and Polymerization of Glycolipid-Based Monomers. <i>ACS Symposium Series</i> , 2001, , 222-239.	0.5	1
69	Biocatalytic Synthesis of Novel Functional Polycarbonates. <i>ACS Symposium Series</i> , 2002, , 156-171.	0.5	1
70	Lead removal by ThioOctolig. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 56, 1-4.	1.7	0