

Atul Goel

List of Publications by Year in descending order

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72
papers

2,131
citations

186265

28
h-index

243625

44
g-index

77
all docs

77
docs citations

77
times ranked

2459
citing authors

#	ARTICLE	IF	CITATIONS
1	Medicarpin confers powdery mildew resistance in <i>Medicago truncatula</i> and activates the salicylic acid signalling pathway. <i>Molecular Plant Pathology</i> , 2022, 23, 966-983.	4.2	7
2	Medicinal significance of natural and synthetic pyranones. , 2022, , 241-246.		1
3	Application of pyranones in material sciences. , 2022, , 247-252.		0
4	Chemistry of isolated 2-pyranones. , 2022, , 11-175.		0
5	3-PEP promotes bone regeneration by up regulating BCL-2 expression via ERK phosphorylation. <i>Journal of Endocrinology</i> , 2022, 254, 51-64.	2.6	1
6	Nitazoxanide potentiates linezolid against linezolid-resistant <i>Staphylococcus aureus</i> in vitro and in vivo. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 2456-2460.	3.0	5
7	Design, synthesis, in vitro and in vivo biological evaluation of pyranone-piperazine analogs as potent antileishmanial agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 221, 113516.	5.5	7
8	Development of a rapid LC-MS/MS method for the simultaneous quantification of various flavonoids, isoflavonoids, and phytohormones extracted from <i>Medicago truncatula</i> leaves. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2021, 44, 776-787.	1.0	2
9	Bioavailability, tissue distribution and excretion studies of a potential anti-osteoporotic agent, medicarpin, in female rats using validated LC-MS/MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 112978.	2.8	5
10	Medicarpin prevents arthritis in post-menopausal conditions by arresting the expansion of TH17 cells and pro-inflammatory cytokines. <i>International Immunopharmacology</i> , 2020, 82, 106299.	3.8	23
11	First Dual Responsive Turn-On and Ratiometric AI-Egen Probe for Selective Detection of Hydrazine Both in Solution and the Vapour Phase. <i>Chemistry - A European Journal</i> , 2019, 25, 4660-4664.	3.3	23
12	Synthesis of Solution-Processable Donor-Acceptor Pyranone Dyads for White Organic Light-Emitting Devices. <i>Journal of Organic Chemistry</i> , 2019, 84, 7674-7684.	3.2	22
13	White Light Induced E/Z-Photoisomerization of Diphenylamine-Tethered Fluorescent Stilbene Derivatives: Synthesis, Photophysical, and Electrochemical Investigation. <i>Journal of Organic Chemistry</i> , 2018, 83, 3669-3678.	3.2	23
14	Biocompatible fluorescent carbon quantum dots prepared from beetroot extract for in vivo live imaging in <i>C. elegans</i> and BALB/c mice. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3366-3371.	5.8	86
15	Imaging and Quantitative Detection of Lipid Droplets by Yellow Fluorescent Probes in Liver Sections of Plasmodium Infected Mice and Third Stage Human Cervical Cancer Tissues. <i>Bioconjugate Chemistry</i> , 2018, 29, 3606-3613.	3.6	22
16	Evaluation of oral pharmacokinetics, in vitro metabolism, blood partitioning and plasma protein binding of novel antidiabetic agent, S0090629 in rats. <i>Drug Development Research</i> , 2018, 79, 173-183.	2.9	3
17	New visible light excitable donor-acceptor 7-hydroxy-coumarins as blue fluorescent probes for selective staining of vacuoles in yeasts and <i>L. donovani</i> . <i>Journal of Materials Chemistry B</i> , 2017, 5, 2580-2587.	5.8	1
18	A Nonarchetypal 5,6-Dihydro-2-H-pyrano[3,2-g]indolizine-Based Solution-Solid Dual Emissive AI-Egen with Multicolor Tunability. <i>Chemistry - A European Journal</i> , 2017, 23, 4527-4531.	3.3	35

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19	A Tetraphenylethene-Naphthyridine-Based AIEgen TPEN with Dual Mechanochromic and Chemosensing Properties. <i>Journal of Organic Chemistry</i> , 2017, 82, 4766-4773.	3.2	63
20	Frontispiece: A Nonarchetypal 5,6-Dihydro-2H-pyrano[3,2-g]indolizine-Based Solution-Solid Dual Emissive AIEgen with Multicolor Tunability. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0
21	3-Piperidylethoxypterocarpan: A potential bone anabolic agent that improves bone quality and restores trabecular micro-architecture in ovariectomized osteopenic rats. <i>Molecular and Cellular Endocrinology</i> , 2017, 448, 41-54.	3.2	4
22	Synthesis of substituted 2H-benzo[e]indazole-9-carboxylate as a potent antihyperglycemic agent that may act through IRS-1, Akt and GSK-3 β pathways. <i>MedChemComm</i> , 2017, 8, 329-337.	3.4	12
23	Identification of GRP78 as a molecular target of medicarpin in osteoblast cells by proteomics. <i>Molecular and Cellular Biochemistry</i> , 2016, 418, 71-80.	3.1	25
24	Rotationally Hindered Biphenyls and Terphenyls: Synthesis, Molecular Dynamics, and Configurational Assignment. <i>Journal of Organic Chemistry</i> , 2016, 81, 10721-10732.	3.2	12
25	Donor-Acceptor Fluorescent Molecular Rotors Appended with Benzocrown Ethers as Doubly Twisted Intramolecular Charge Transfer Based Ratiometric Acidic pH Sensors. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 187-191.	2.7	11
26	Pyrano[3,2-c]julolidin-2-ones: a novel class of fluorescent probes for ratiometric detection and imaging of Hg $^{2+}$ in live cancer cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4934-4940.	5.8	21
27	A new type of biocompatible fluorescent probe AFN for fixed and live cell imaging of intracellular lipid droplets. <i>Analyst</i> , The, 2016, 141, 137-143.	3.5	44
28	Medicarpin, a Natural Pterocarpan, Heals Cortical Bone Defect by Activation of Notch and Wnt Canonical Signaling Pathways. <i>PLoS ONE</i> , 2015, 10, e0144541.	2.5	35
29	A dual colorimetric-ratiometric fluorescent probe NAP-3 for selective detection and imaging of endogenous labile iron (<sc>Fe</sc>) pools in <i>C. elegans</i> . <i>Chemical Communications</i> , 2015, 51, 5001-5004.	4.1	58
30	9-Demethoxy-medicarpin promotes peak bone mass achievement and has bone conserving effect in ovariectomized mice: Positively regulates osteoblast functions and suppresses osteoclastogenesis. <i>Molecular and Cellular Endocrinology</i> , 2015, 411, 155-166.	3.2	8
31	LC-ESI-MS/MS method for bioanalytical determination of osteogenic phytoalexin, medicarpin, and its application to preliminary pharmacokinetic studies in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1001, 9-16.	2.3	5
32	New Convenient Synthesis of Fluorescent 1,8-Naphthyridines and the Metal-Sensing Properties of the Dyes. <i>Synlett</i> , 2014, 25, 1542-1546.	1.8	9
33	Synthesis of Fluorescent C2-Bridged Teraryls and Quateraryls for Blue, Sky-Blue, and Green Color Light-Emitting Devices. <i>Journal of Organic Chemistry</i> , 2014, 79, 10873-10880.	3.2	28
34	New Fluoranthene FLUN-550 as a Fluorescent Probe for Selective Staining and Quantification of Intracellular Lipid Droplets. <i>Organic Letters</i> , 2014, 16, 756-759.	4.6	60
35	Discovery of biaryl-4-carbonitriles as antihyperglycemic agents that may act through AMPK-p38 MAPK pathway. <i>Molecular and Cellular Endocrinology</i> , 2014, 394, 1-12.	3.2	7
36	Design and synthesis of novel pyranone-based insulin sensitizers exhibiting in vivo hepatoprotective activity. <i>MedChemComm</i> , 2013, 4, 1532.	3.4	4

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37	Synthesis, Stereochemistry, Structural Classification, and Chemical Reactivity of Natural Pterocarpan. <i>Chemical Reviews</i> , 2013, 113, 1614-1640.	47.7	122
38	Diversity-oriented general protocol for the synthesis of privileged oxygen scaffolds: pyrones, coumarins, benzocoumarins and naphthocoumarins. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5239.	2.8	24
39	Synthesis, optical resolution, absolute configuration, and osteogenic activity of cis-pterocarpan. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9583.	2.8	36
40	Non-aggregating solvatochromic bipolar benzo[f]quinolines and benzo[a]acridines for organic electronics. <i>Journal of Materials Chemistry</i> , 2012, 22, 14880.	6.7	61
41	Medicarpin, a legume phytoalexin, stimulates osteoblast differentiation and promotes peak bone mass achievement in rats: evidence for estrogen receptor β -mediated osteogenic action of medicarpin. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 27-38.	4.2	59
42	Thermally Stable Nonaggregating Pyrenylarenes for Blue Organic Light-Emitting Devices CDRI communication No. 8097.. <i>Journal of Organic Chemistry</i> , 2011, 76, 7474-7481.	3.2	31
43	Partially Hydrogenated α [5]helicenes and [5]Helicenes: Synthesis, Structures, and Dynamics. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2940-2947.	2.4	16
44	Determination of 3-hydroxy pterocarpan, a novel osteogenic compound in rat plasma by liquid chromatography-tandem mass spectrometry: application to pharmacokinetics study. <i>Biomedical Chromatography</i> , 2011, 25, 843-850.	1.7	2
45	Synthesis, Electrochemical and Optical Properties of Stable Yellow Fluorescent Fluoranthenes. <i>Journal of Organic Chemistry</i> , 2010, 75, 3656-3662.	3.2	43
46	Medicarpin inhibits osteoclastogenesis and has nonestrogenic bone conserving effect in ovariectomized mice. <i>Molecular and Cellular Endocrinology</i> , 2010, 325, 101-109.	3.2	61
47	Total extract and standardized fraction from the stem bark of <i>Butea monosperma</i> have osteoprotective action. <i>Menopause</i> , 2010, 17, 602-610.	2.0	40
48	Methoxylated isoflavones, cajanin and isoformononetin, have nonestrogenic bone forming effect via differential mitogen activated protein kinase (MAPK) signaling. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 388-399.	2.6	85
49	Natural and synthetic 2H-pyran-2-ones and their versatility in organic synthesis. <i>Tetrahedron</i> , 2009, 65, 7865-7913.	1.9	246
50	Highly convenient regioselective synthesis of functionalized arylated benzene from ketene-S,S-acetal under mild conditions at room temperature. <i>Tetrahedron Letters</i> , 2009, 50, 680-683.	1.4	12
51	5,6-Diarylanthranilo-1,3-dinitriles as a new class of antihyperglycemic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2158-2161.	2.2	37
52	Donor-Acceptor 9-Uncapped Fluorenes and Fluorenones as Stable Blue Light Emitters. <i>Organic Letters</i> , 2009, 11, 1289-1292.	4.6	61
53	Unprecedented Bridged Annulation Approach to the Construction of 5,6-Dihydro-4H-benzo[k]acridines. <i>Organic Letters</i> , 2009, 11, 5122-5125.	4.6	10
54	Vapor-Phase Processable Novel Nonplanar Donor-Acceptor Quateraryls for Blue OLEDs#. <i>Organic Letters</i> , 2008, 10, 2553-2556.	4.6	53

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55	Synthesis, Molecular Docking and PTP1B Inhibitory Activity of Functionalized 4,5-Dihydronaphthofurans and Dibenzofurans. <i>Medicinal Chemistry</i> , 2008, 4, 18-24.	1.5	16
56	Regioselective synthesis of 2-amino-isophthalonitriles through a ring transformation strategy. <i>Tetrahedron</i> , 2007, 63, 10971-10978.	1.9	23
57	Synthesis, Optical Resolution, and Configurational Assignment of Novel Axially Chiral Quateraryls. <i>Journal of Organic Chemistry</i> , 2007, 72, 7765-7768.	3.2	36
58	One-pot regioselective synthesis of dihydronaphthofurans and dibenzofurans. <i>Tetrahedron</i> , 2007, 63, 1610-1616.	1.9	20
59	Synthesis and in vivo antihyperglycemic activity of nature-mimicking furanyl-2-pyranones in STZ-S model. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2425-2429.	2.2	17
60	Synthesis of benzofuran scaffold-based potential PTP-1B inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 727-734.	3.0	50
61	Highly Efficient Non-Palladium-Catalyzed Controlled Synthesis and X-ray Analysis of Functionalized 1,2-Diaryl-, 1,2,3-Triaryl-, and 1,2,3,4-Tetraarylbenzenes. <i>Chemistry - an Asian Journal</i> , 2007, 2, 239-247.	3.3	34
62	Acetyltrimethylsilane: A Novel Reagent for the Transformation of 2H-Pyran-2-ones to Unsymmetrical Biaryls. <i>Journal of Organic Chemistry</i> , 2006, 71, 804-807.	3.2	30
63	Regioselective synthesis of functionalized naphtho[b]thiophenes through a lactone methodology. <i>Tetrahedron Letters</i> , 2006, 47, 3557-3560.	1.4	12
64	Synthesis of functionalized acetophenones as protein tyrosine phosphatase 1B inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3394-3397.	2.2	15
65	6-Aryl-4-methylsulfanyl-2H-pyran-2-one-3-carbonitriles as PPAR- β activators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3356-3360.	2.2	8
66	Antihyperglycemic activity of 2-methyl-3,4,5-triaryl-1 H-pyrroles in SLM and STZ models. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1089-1092.	2.2	81
67	An efficient synthesis of 4,5-dihydronaphtho[2,1-b]furan through a novel ring transformation of 2H-pyran-2-one. <i>Tetrahedron Letters</i> , 2004, 45, 8819-8821.	1.4	31
68	An Innovative Synthesis of Unsymmetrical Tetrahydrobinaphthyls, Binaphthyls with a Phenyl Spacer, and Tetrahydroazabinaphthyls through Ring Transformation Reactions of 6-Naphthyl-2-pyranones. <i>Journal of Organic Chemistry</i> , 1999, 64, 2387-2390.	3.2	11
69	Past and Present Scenario of Hepatoprotectants#. <i>Current Medicinal Chemistry</i> , 1999, 6, 217-254.	2.4	8
70	An Expedient Synthesis of Heteroarenes through Carbanion-Induced Ring Transformation Reactions of Suitable Functionalized Pyran-2-ones. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2083-2088.	2.4	15
71	An Expedient Synthesis of 9,10-Dihydrophenanthrene by Condensation of 2H-Pyran-2-ones with β -Tetralone. <i>Journal of Chemical Research Synopses</i> , 1997, , 460.	0.3	14
72	Synthesis of thiophenes and thieno[3,2-c]pyran-4-ones as antileishmanial and antifungal agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 3101-3106.	2.2	37