Atul Goel

List of Publications by Year
in descending order

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72	2,131	186265	243625
papers	citations	28 h-index	44 g-index

77	77	77	2459
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Natural and synthetic 2H-pyran-2-ones and their versatility in organic synthesis. Tetrahedron, 2009, 65, 7865-7913.	1.9	246
2	Synthesis, Stereochemistry, Structural Classification, and Chemical Reactivity of Natural Pterocarpans. Chemical Reviews, 2013, 113, 1614-1640.	47.7	122
3	Biocompatible fluorescent carbon quantum dots prepared from beetroot extract for in vivo live imaging in C. elegans and BALB/c mice. Journal of Materials Chemistry B, 2018, 6, 3366-3371.	5.8	86
4	Methoxylated isoflavones, cajanin and isoformononetin, have nonâ€estrogenic bone forming effect via differential mitogen activated protein kinase (MAPK) signaling. Journal of Cellular Biochemistry, 2009, 108, 388-399.	2.6	85
5	Antihyperglycemic activity of 2-methyl-3,4,5-triaryl-1 H -pyrroles in SLM and STZ models. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1089-1092.	2.2	81
6	A Tetraphenylethene-Naphthyridine-Based AIEgen TPEN with Dual Mechanochromic and Chemosensing Properties. Journal of Organic Chemistry, 2017, 82, 4766-4773.	3.2	63
7	Donorâ^'Acceptor 9-Uncapped Fluorenes and Fluorenones as Stable Blue Light Emitters[,]. Organic Letters, 2009, 11, 1289-1292.	4.6	61
8	Medicarpin inhibits osteoclastogenesis and has nonestrogenic bone conserving effect in ovariectomized mice. Molecular and Cellular Endocrinology, 2010, 325, 101-109.	3.2	61
9	Non-aggregating solvatochromic bipolar benzo[f]quinolines and benzo[a]acridines for organic electronics. Journal of Materials Chemistry, 2012, 22, 14880.	6.7	61
10	New Fluoranthene FLUN-550 as a Fluorescent Probe for Selective Staining and Quantification of Intracellular Lipid Droplets. Organic Letters, 2014, 16, 756-759.	4.6	60
11	Medicarpin, a legume phytoalexin, stimulates osteoblast differentiation and promotes peak bone mass achievement in rats: evidence for estrogen receptor Î²-mediated osteogenic action of medicarpin. Journal of Nutritional Biochemistry, 2012, 23, 27-38.	4.2	59
12	A dual colorimetric-ratiometric fluorescent probe NAP-3 for selective detection and imaging of endogenous labile iron(<scp>iii</scp>) pools in C. elegans. Chemical Communications, 2015, 51, 5001-5004.	4.1	58
13	Vapor-Phase Processable Novel Nonplanar Donorâ^'Acceptor Quateraryls for Blue OLEDs#. Organic Letters, 2008, 10, 2553-2556.	4.6	53
14	Synthesis of benzofuran scaffold-based potential PTP-1B inhibitors. Bioorganic and Medicinal Chemistry, 2007, 15, 727-734.	3.0	50
15	A new type of biocompatible fluorescent probe AFN for fixed and live cell imaging of intracellular lipid droplets. Analyst, The, 2016, 141, 137-143.	3.5	44
16	Synthesis, Electrochemical and Optical Properties of Stable Yellow Fluorescent Fluoranthenes. Journal of Organic Chemistry, 2010, 75, 3656-3662.	3.2	43
17	Total extract and standardized fraction from the stem bark of Butea monosperma have osteoprotective action. Menopause, 2010, 17, 602-610.	2.0	40
18	Synthesis of thiophenes and thieno[3,2-c]pyran-4-ones as antileishmanial and antifungal agents. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 3101-3106.	2.2	37

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19	5,6-Diarylanthranilo-1,3-dinitriles as a new class of antihyperglycemic agents. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2158-2161.	2.2	37
20	Synthesis, Optical Resolution, and Configurational Assignment of Novel Axially Chiral Quaterarylsâ€. Journal of Organic Chemistry, 2007, 72, 7765-7768.	3.2	36
21	Synthesis, optical resolution, absolute configuration, and osteogenic activity of cis-pterocarpans. Organic and Biomolecular Chemistry, 2012, 10, 9583.	2.8	36
22	Medicarpin, a Natural Pterocarpan, Heals Cortical Bone Defect by Activation of Notch and Wnt Canonical Signaling Pathways. PLoS ONE, 2015, 10, e0144541.	2.5	35
23	A Nonarchetypal 5,6â€Dihydroâ€2‹i›H‹/i›â€pyrano[3,2â€‹i›g‹/i›]indolizineâ€Based Solutionâ€Solid Dual Emissive AIEgen with Multicolor Tunability. Chemistry - A European Journal, 2017, 23, 4527-4531.	3.3	35
24	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. Chemistry - an Asian Journal, 2007, 2, 239-247.	3.3	34
25	An efficient synthesis of 4,5-dihydronaphtho[2,1-b]furan through a novel ring transformation of 2H-pyran-2-one. Tetrahedron Letters, 2004, 45, 8819-8821.	1.4	31
26	Thermally Stable Nonaggregating Pyrenylarenes for Blue Organic Light-Emitting DevicesCDRI communication No. 8097.. Journal of Organic Chemistry, 2011, 76, 7474-7481.	3.2	31
27	Acetyltrimethylsilane:â€‰ A Novel Reagent for the Transformation of 2H-Pyran-2-ones to Unsymmetrical Biaryls. Journal of Organic Chemistry, 2006, 71, 804-807.	3.2	30
28	Synthesis of Fluorescent C2-Bridged Teraryls and Quateraryls for Blue, Sky-Blue, and Green Color Light-Emitting Devices. Journal of Organic Chemistry, 2014, 79, 10873-10880.	3.2	28
29	Identification of GRP78 as a molecular target of medicarpin in osteoblast cells by proteomics. Molecular and Cellular Biochemistry, 2016, 418, 71-80.	3.1	25
30	Diversity-oriented general protocol for the synthesis of privileged oxygen scaffolds: pyrones, coumarins, benzocoumarins and naphthocoumarins. Organic and Biomolecular Chemistry, 2013, 11, 5239.	2.8	24
31	Regioselective synthesis of 2-amino-isophthalonitriles through a ring transformation strategy. Tetrahedron, 2007, 63, 10971-10978.	1.9	23
32	White Light Induced E/Z-Photoisomerization of Diphenylamine-Tethered Fluorescent Stilbene Derivatives: Synthesis, Photophysical, and Electrochemical Investigation. Journal of Organic Chemistry, 2018, 83, 3669-3678.	3.2	23
33	First Dual Responsive â€œTurnâ€Onâ€•and â€œRatiometricâ€•AIEgen Probe for Selective Detection of Hydrazine Both in Solution and the Vapour Phase. Chemistry - A European Journal, 2019, 25, 4660-4664.	3.3	23
34	Medicarpin prevents arthritis in post-menopausal conditions by arresting the expansion of TH17 cells and pro-inflammatory cytokines. International Immunopharmacology, 2020, 82, 106299.	3.8	23
35	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. Bioconjugate Chemistry, 2018, 29, 3606-3613.	3.6	22
36	Synthesis of Solution-Processable Donorâ€“Acceptor Pyranone Dyads for White Organic Light-Emitting Devices. Journal of Organic Chemistry, 2019, 84, 7674-7684.	3.2	22

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37	Pyrano[3,2-c]julolidin-2-ones: a novel class of fluorescent probes for ratiometric detection and imaging of Hg2+ in live cancer cells. Journal of Materials Chemistry B, 2016, 4, 4934-4940.	5.8	21
38	One-pot regioselective synthesis of dihydronaphthofurans and dibenzofurans. Tetrahedron, 2007, 63, 1610-1616.	1.9	20
39	Synthesis and in vivo antihyperglycemic activity of nature-mimicking furanyl-2-pyranones in STZ-S model. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2425-2429.	2.2	17
40	Synthesis, Molecular Docking and PTP1B Inhibitory Activity of Functionalized 4,5-Dihydronaphthofurans and Dibenzofurans. Medicinal Chemistry, 2008, 4, 18-24.	1.5	16
41	Partially Hydrogenated 7â€Oxa[5]helicenes and [5]Helicenes: Synthesis, Structures, and Dynamics. European Journal of Organic Chemistry, 2011, 2011, 2940-2947.	2.4	16
42	An Expeditious Synthesis of Heteroarenes through Carbanion-Induced Ring Transformation Reactions of Suitable Functionalized Pyran-2-ones. European Journal of Organic Chemistry, 1998, 1998, 2083-2088.	2.4	15
43	Synthesis of functionalized acetophenones as protein tyrosine phosphatase 1B inhibitors. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3394-3397.	2.2	15
44	An Expeditious Synthesis of 9,10-Dihydrophenanthrene by Condensation of 2H-Pyran-2-ones with Î±-Tetraloneâ€â€¡. Journal of Chemical Research Synopses, 1997, , 460.	0.3	14
45	Regioselective synthesis of functionalized naphtho[b]thiophenes through a â€˜lactone methodologyâ€™. Tetrahedron Letters, 2006, 47, 3557-3560.	1.4	12
46	Highly convenient regioselective synthesis of functionalized arylated benzene from ketene-S,S-acetal under mild conditions at room temperature. Tetrahedron Letters, 2009, 50, 680-683.	1.4	12
47	Rotationally Hindered Biphenyls and Terphenyls: Synthesis, Molecular Dynamics, and Configurational Assignment. Journal of Organic Chemistry, 2016, 81, 10721-10732.	3.2	12
48	Synthesis of substituted 2H-benzo[e]indazole-9-carboxylate as a potent antihyperglycemic agent that may act through IRS-1, Akt and GSK-3Î² pathways. MedChemComm, 2017, 8, 329-337.	3.4	12
49	An Innovative Synthesis of Unsymmetrical Tetrahydrobinaphthyls, Binaphthyls with a Phenyl Spacer, and Tetrahydroazabinaphthyls through Ring Transformation Reactions of 6-Naphthyl-2-pyronesâ€. Journal of Organic Chemistry, 1999, 64, 2387-2390.	3.2	11
50	Donorâ€Acceptor Fluorescent Molecular Rotors Appended with Benzocrown Ethers as Doubly Twisted Intramolecular Charge Transfer Based Ratiometric Acidic pH Sensors. Asian Journal of Organic Chemistry, 2016, 5, 187-191.	2.7	11
51	Unprecedented Bridged Annulation Approach to the Construction of 5,6-Dihydro-4H-benzo[kl]acridines. Organic Letters, 2009, 11, 5122-5125.	4.6	10
52	New Convenient Synthesis of Fluorescent 1,8-Naphthyridines and the Metal-Sensing Properties of the Dyes. Synlett, 2014, 25, 1542-1546.	1.8	9
53	6-Aryl-4-methylsulfanyl-2H-pyran-2-one-3-carbonitriles as PPAR-Î³ activators. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3356-3360.	2.2	8
54	9-Demethoxy-medicarpin promotes peak bone mass achievement and has bone conserving effect in ovariectomized mice: Positively regulates osteoblast functions and suppresses osteoclastogenesis. Molecular and Cellular Endocrinology, 2015, 411, 155-166.	3.2	8

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55	Past and Present Scenario of Hepatoprotectants#. Current Medicinal Chemistry, 1999, 6, 217-254.	2.4	8
56	Discovery of biaryl-4-carbonitriles as antihyperglycemic agents that may act through AMPK-p38 MAPK pathway. Molecular and Cellular Endocrinology, 2014, 394, 1-12.	3.2	7
57	Design, synthesis, inÂvitro and inÂvivo biological evaluation of pyranone-piperazine analogs as potent antileishmanial agents. European Journal of Medicinal Chemistry, 2021, 221, 113516.	5.5	7
58	Medicarpin confers powdery mildew resistance in Medicago truncatula and activates the salicylic acid signalling pathway. Molecular Plant Pathology, 2022, 23, 966-983.	4.2	7
59	LC-ESIâ€“MS/MS method for bioanalytical determination of osteogenic phytoalexin, medicarpin, and its application to preliminary pharmacokinetic studies in rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1001, 9-16.	2.3	5
60	Bioavailability, tissue distribution and excretion studies of a potential anti-osteoporotic agent, medicarpin, in female rats using validated LCâ€“MS/MS method. Journal of Pharmaceutical and Biomedical Analysis, 2020, 180, 112978.	2.8	5
61	Nitazoxanide potentiates linezolid against linezolid-resistant Staphylococcus aureus in vitro and in vivo. Journal of Antimicrobial Chemotherapy, 2022, 77, 2456-2460.	3.0	5
62	Design and synthesis of novel pyranone-based insulin sensitizers exhibiting in vivo hepatoprotective activity. MedChemComm, 2013, 4, 1532.	3.4	4
63	3-Piperidylethoxypterocarpan: A potential bone anabolic agent that improves bone quality and restores trabecular micro-architecture in ovariectomized osteopenic rats. Molecular and Cellular Endocrinology, 2017, 448, 41-54.	3.2	4
64	Evaluation of oral pharmacokinetics, in vitro metabolism, blood partitioning and plasma protein binding of novel antidiabetic agent, S009â€0629 in rats. Drug Development Research, 2018, 79, 173-183.	2.9	3
65	Determination of 3â€hydroxy pterocarpan, a novel osteogenic compound in rat plasma by liquid chromatographyâ€“tandem mass spectrometry: application to pharmacokinetics study. Biomedical Chromatography, 2011, 25, 843-850.	1.7	2
66	Development of a rapid LC-MS/MS method for the simultaneous quantification of various flavonoids, isoflavonoids, and phytohormones extracted from Medicago truncatula leaves. Journal of Liquid Chromatography and Related Technologies, 2021, 44, 776-787.	1.0	2
67	New visible light excitable donorâ€“acceptor 7-hydroxy-coumarins as blue fluorescent probes for selective staining of vacuoles in yeasts and L. donovani. Journal of Materials Chemistry B, 2017, 5, 2580-2587.	5.8	1
68	Medicinal significance of natural and synthetic pyranones. , 2022, , 241-246.		1
69	3-PEP promotes bone regeneration by up regulating BCL-2 expression via ERK phosphorylation. Journal of Endocrinology, 2022, 254, 51-64.	2.6	1
70	Frontispiece: A Nonarchetypal 5,6â€Dihydroâ€2Hâ€pyrano[3,2â€g]indolizineâ€Based Solutionâ€Solid Dual Emissive AIEgen with Multicolor Tunability. Chemistry - A European Journal, 2017, 23, .	3.3	0
71	Application of pyranones in material sciences. , 2022, , 247-252.		0
72	Chemistry of isolated 2-pyranones. , 2022, , 11-175.		0