Prabhat Arya

List of Publications by Year
in descending order

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70	2,565	257450	197818
papers	citations	24 h-index	49 g-index

80	80	80	2131
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stereoselective Approaches for Building the C14â€C21 Fragment of Eribulin. ChemistrySelect, 2021, 6, 798-801.	1.5	3
2	Synthesis of C1â€“C11 eribulin fragment and its diastereomeric analogues. Tetrahedron Letters, 2019, 60, 150915.	1.4	4
3	Synthesis and biological evaluation of rapamycin-derived, next generation small molecules. MedChemComm, 2018, 9, 27-43.	3.4	12
4	Geldanamycin-inspired compounds induce direct trans-differentiation of human mesenchymal stem cells to neurons. European Journal of Medicinal Chemistry, 2017, 135, 110-116.	5.5	6
5	A Small-Molecule Inhibitor of Bax and Bak Oligomerization Prevents Genotoxic Cell Death and Promotes Neuroprotection. Cell Chemical Biology, 2017, 24, 493-506.e5.	5.2	76
6	Macrocyclic Toolbox from Epothilone Fragment Identifies a Compound Showing Molecular Interactions with Actin and Novel Promoters of Apoptosis in Patientâ€derived Brain Tumor Cells. Asian Journal of Organic Chemistry, 2016, 5, 976-980.	2.7	1
7	Stereoselective Synthesis of the C27â€“C35 Eribulin Fragment and Its Utilization in Building Structurally Diverse Macrocycles. Synthesis, 2016, 48, 1663-1683.	2.3	7
8	Selected hybrid natural products as tubulin modulators. European Journal of Medicinal Chemistry, 2015, 94, 497-508.	5.5	16
9	Divergent Approach to Building a Latrunculin Family Derived Hybrid Macrocyclic Toolbox. Organic Letters, 2015, 17, 472-475.	4.6	9
10	Stereoselective Synthesis of Rapamycin Fragment To Build a Macrocyclic Toolbox. Organic Letters, 2015, 17, 480-483.	4.6	12
11	Practical Stereoselective Synthesis of Eribulin Fragment toward Building a Hybrid Macrocyclic Toolbox. Organic Letters, 2015, 17, 468-471.	4.6	13
12	Regio- and Stereocontrolled Dieckmann Approach to Treprostinil-Inspired, Polycyclic Scaffold For Building Macrocyclic Diversity. ACS Combinatorial Science, 2015, 17, 437-441.	3.8	1
13	Prevention of Mitochondrial Membrane Permeabilization and Pancreatic Î²â€Cell Death by an Enantioenriched, Macrocyclic Small Molecule. European Journal of Organic Chemistry, 2014, 2014, 1151-1156.	2.4	10
14	Small Molecule Modulators of Proteinâ€“Protein Interactions: Selected Case Studies. Chemical Reviews, 2014, 114, 4640-4694.	47.7	71
15	Building a Macrocyclic Toolbox from Câ€Linked Carbohydrates Identifies Antiangiogenesis Agents from Zebrafish Assay. European Journal of Organic Chemistry, 2013, 2013, 5036-5040.	2.4	20
16	14-Membered Macrocyclic Ring-Derived Toolbox: The Identification of Small Molecule Inhibitors of Angiogenesis and Early Embryo Development in Zebrafish Assay. Organic Letters, 2013, 15, 436-439.	4.6	18
17	Tetrahydroquinoline-Derived Macrocyclic Toolbox: The Discovery of Antiangiogenesis Agents in Zebrafish Assay. ACS Medicinal Chemistry Letters, 2013, 4, 666-670.	2.8	13
18	A Modular Approach to Build Macrocyclic Diversity in Aminoindoline Scaffolds Identifies Antiangiogenesis Agents from a Zebrafish Assay. European Journal of Organic Chemistry, 2013, 2013, 3959-3964.	2.4	11

#	Article	IF	Citations
19	An Intramolecular Heck Approach To Obtain 17â€Membered Macrocyclic Diversity and the Identification of an Antiangiogenesis Agent from a Zebrafish Assay. European Journal of Organic Chemistry, 2013, 2013, 3955-3958.	2.4	13
20	Macrocyclic Glycohybrid Toolbox Identifies Novel Antiangiogenesis Agents from Zebrafish Assay. Organic Letters, 2013, 15, 432-435.	4.6	24
21	Solution- and Solid-Phase Synthesis of Tetrahydroquinoline-Based Polycyclics Having Î±,Î²-Unsaturated Î³-Lactam and Î´-Lactone Functionalities. Synlett, 2010, 2010, 199-202.	1.8	8
22	Natural Product-like Scaffolds for Molecular Dissection of Macromolecular Interactions and New Therapeutic Applications. , 2010, , 645-669.		0
23	One-pot construction of isoindolo[2,1-a]quinoline system. Tetrahedron Letters, 2009, 50, 6661-6664.	1.4	21
24	Discovery of Indoline-Based, Natural-Product-like Compounds as Probes of Focal Adhesion Kinase Signaling Pathways. ACS Combinatorial Science, 2009, 11, 303-309.	3.3	20
25	Advances in Solution- and Solid-Phase Synthesis toward the Generation of Natural Product-like Libraries. Chemical Reviews, 2009, 109, 1999-2060.	47.7	166
26	The discovery of small molecule chemical probes of Bcl-XL and Mcl-1. Bioorganic and Medicinal Chemistry, 2008, 16, 7443-7449.	3.0	38
27	Building skeletally diverse architectures on the Indoline Scaffold: The discovery of a chemical probe of focal adhesion kinase signaling networks. Bioorganic and Medicinal Chemistry, 2008, 16, 9596-9602.	3.0	9
28	Reagent-Based, Modular, Tandem Michael Approach for Obtaining Different Indoline Alkaloid-Inspired Polycyclic Architectures. ACS Combinatorial Science, 2008, 10, 405-420.	3.3	9
29	Benzofuran-Derived Cyclic Î²-Amino Acid Scaffold for Building a Diverse Set of Flavonoid-Like Probes and the Discovery of a Cell Motility Inhibitor. Organic Letters, 2008, 10, 1143-1146.	4.6	21
30	Part 3. A Novel Stereocontrolled, In Situ, Solution- and Solid-Phase, Aza Michael Approach for High-Throughput Generation of Tetrahydroaminoquinoline-Derived Natural-Product-like Architectures. ACS Combinatorial Science, 2006, 8, 762-773.	3.3	23
31	Part 1. Modular Approach to Obtaining Diverse Tetrahydroquinoline-Derived Polycyclic Skeletons for Use in High-Throughput Generation of Natural-Product-like Chemical Probes. ACS Combinatorial Science, 2006, 8, 715-734.	3.3	26
32	Part 2:Â Building Diverse Natural-Product-Like Architectures from a Tetrahydroaminoquinoline Scaffold. Modular Solution- and Solid-Phase Approaches for Use in High-Throughput Generation of Chemical Probes. ACS Combinatorial Science, 2006, 8, 735-761.	3.3	15
33	Solution- and Solid-Phase, Modular Approaches for Obtaining Different Natural Product-Like Polycyclic Architectures from an Aminoindoline Scaffold for Combinatorial Chemistry. ACS Combinatorial Science, 2006, 8, 856-871.	3.3	18
34	Natural product-like chemical space: search for chemical dissectors of macromolecular interactions. Current Opinion in Chemical Biology, 2005, 9, 240-247.	6.1	97
35	Exploring New Chemical Space by Stereocontrolled Diversity-Oriented Synthesis. Chemistry and Biology, 2005, 12, 163-180.	6.0	128
36	Stereocontrolled Solid-Phase Synthesis of a 90-Membered Library of Indoline-Alkaloid-like Polycycles from an Enantioenriched Aminoindoline Scaffold. Angewandte Chemie - International Edition, 2005, 44, 1366-1368.	13.8	72

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37	Combinatorial Carbohydrate Chemistry. , 2005, , .		1
38	A Solid Phase Library Synthesis of Hydroxyindoline-Derived Tricyclic Derivatives by Mitsunobu Approach. ACS Combinatorial Science, 2004, 6, 65-72.	3.3	27
39	Solution- and Solid-Phase Synthesis of Natural Product-Like Tetrahydroquinoline-Based Polycyclics Having a Medium Size Ring. ACS Combinatorial Science, 2004, 6, 735-745.	3.3	23
40	A Solid-Phase, Library Synthesis of Natural-Product-Like Derivatives from an Enantiomerically Pure Tetrahydroquinoline Scaffold. ACS Combinatorial Science, 2004, 6, 73-77.	3.3	19
41	Stereoselective Diversity-Oriented Solution and Solid-Phase Synthesis of Tetrahydroquinoline-Based Polycyclic Derivatives. ACS Combinatorial Science, 2004, 6, 54-64.	3.3	23
42	A Solution- and Solid-Phase Approach to Tetrahydroquinoline-Derived Polycyclics Having a 10-Membered Ring. ACS Combinatorial Science, 2004, 6, 724-734.	3.3	20
43	Toward High-Throughput Synthesis of Complex Natural Product Like Compounds in the Genomics and Proteomics Age. ChemInform, 2003, 34, no.	0.0	0
44	High-throughput Chemistry toward Complex Carbohydrates and Carbohydrate-like Compounds a. Combinatorial Chemistry and High Throughput Screening, 2002, 5, 179-93.	1.1	4
45	Automated High-Throughput Synthesis of Artificial Glycopeptides. Small-Molecule Probes for Chemical Glycobiology. ACS Combinatorial Science, 2002, 4, 193-198.	3.3	31
46	Carbonylation Reactions of Iodoarenes with PAMAM Dendrimer-Palladium Catalysts Immobilized on Silica. Journal of Organic Chemistry, 2002, 67, 6623-6631.	3.2	98
47	Toward High-Throughput Synthesis of Complex Natural Product-Like Compounds in the Genomics and Proteomics Age. Chemistry and Biology, 2002, 9, 145-156.	6.0	85
48	Highâ€Throughput Chemistry Toward Complex Carbohydrates and Carbohydrateâ€like Compounds. ChemInform, 2002, 33, 263-263.	0.0	0
49	Solid-Phase Catalysis:Â A Biomimetic Approach toward Ligands on Dendritic Arms to Explore Recyclable Hydroformylation Reactions. Journal of the American Chemical Society, 2001, 123, 2889-2890.	13.7	91
50	Natural-product-like chiral derivatives by solid-phase synthesis. Current Opinion in Chemical Biology, 2001, 5, 292-301.	6.1	21
51	Combinatorial Chemistry toward Understanding the Function(s) of Carbohydrates and Carbohydrate Conjugates. Chemistry - A European Journal, 2001, 7, 555-563.	3.3	39
52	Diversity-Based Organic Synthesis in the Era of Genomics and Proteomics. Angewandte Chemie - International Edition, 2001, 40, 339-346.	13.8	199
53	Advances in Asymmetric Enolate Methodology. Tetrahedron, 2000, 56, 917-947.	1.9	210
54	A Divergent, Solid-Phase Approach to Dendritic Ligands on Beads. Heterogeneous Catalysis for Hydroformylation Reactions1a. Journal of Organic Chemistry, 2000, 65, 1881-1885.	3.2	90

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55	Glycomimetics:Â A Programmed Approach toward Neoglycopeptide Libraries1a. ACS Combinatorial Science, 2000, 2, 120-126.	3.3	11
56	Heck reaction using palladium complexed to dendrimers on silica. Canadian Journal of Chemistry, 2000, 78, 920-924.	1.1	78
57	Î±-Galactose based neoglycopeptides. Inhibition of verotoxin binding to globotriosylceramide. Bioorganic and Medicinal Chemistry, 1999, 7, 2823-2833.	3.0	18
58	Hydroformylation Reactions with Rhodium-Complexed Dendrimers on Silica. Journal of the American Chemical Society, 1999, 121, 3035-3038.	13.7	215
59	Automated, Solid-Phase Synthesis ofC-Neoglycopeptides:Â Coupling of Glycosyl Derivatives to Resin-Bound Peptides1. ACS Combinatorial Science, 1999, 1, 28-31.	3.3	9
60	Remote asymmetric induction: Synthesis of C -linked Î±-galactoserine and homoserine derivatives by electrophilic amination. Tetrahedron Letters, 1998, 39, 6131-6134.	1.4	27
61	Diversity of C-linked neoglycopeptides for the exploration of subsite-assisted carbohydrate binding interactions. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 1127-1132.	2.2	27
62	Stereoselective Synthesis of Carbon-Linked Analogues of Î±- and Î²-Galactoserine Glycoconjugates Using Asymmetric Enolate Methodology1. Journal of Organic Chemistry, 1998, 63, 4817-4820.	3.2	31
63	Stereoselective synthesis of neo-C-glycopeptide building blocks: Towards a flexible and control-oriented design as probes for carbohydrate-protein interactions. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 1537-1542.	2.2	13
64	Combinatorial Chemistry for the Synthesis of Carbohydrate Libraries. Angewandte Chemie International Edition in English, 1997, 36, 1280-1282.	4.4	26
65	Der Einsatz kombinatorischer Chemie zur Synthese von Kohlenhydratbibliotheken. Angewandte Chemie, 1997, 109, 1335-1337.	2.0	9
66	Tris(trimethylsilyl)silane (TTMSS) : Formation of carbon-centered radicals from oxathiolane and thiazolidine derivatives. Tetrahedron Letters, 1991, 32, 2853-2856.	1.4	24
67	Thiazolidine derivatives: A new source of Î±-aminoalkyl radicals for carbon-carbon bond formation in synthesis. Tetrahedron Letters, 1991, 32, 6265-6268.	1.4	24
68	Tris(trimethylsilyl)silane (TTMSS): formation of carbon-centered radicals from 1,3-dithiolanes and 1,3-dithianes. Journal of Organic Chemistry, 1990, 55, 6248-6250.	3.2	28
69	Degradation of oleandomycin: controlled removal of sugars to give oleandonolide c3,c5-acetonide. Tetrahedron, 1988, 44, 253-260.	1.9	8
70	Combinatorial Synthesis of Alkaloid-like Compounds In Search of Chemical Probes of Protein-Protein Interactions. , 0, , 521-540.		0