Virinder S Parmar

List of Publications by Year
in descending order

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116 papers	1,849 citations	236925 25 h-index	377865 34 g-index
120 all docs	120 docs citations	120 times ranked	1958 citing authors

#	Article	IF	Citations
1	Antimycotic Drugs and their Mechanisms of Resistance to Candida Species. Current Drug Targets, 2022, 23, 116-125.	2.1	8
2	Site-directed mutagenesis in the P-domain of calreticulin transacylase identifies Lys-207 as the active site residue. 3 Biotech, 2021, 11, 113.	2.2	1
3	DFT, Monte Carlo and molecular dynamics simulations for the prediction of corrosion inhibition efficiency of novel pyrazolylnucleosides on Cu(111) surface in acidic media. Scientific Reports, 2021, 11, 3771.	3.3	55
4	Evaluation of the Free Radical Scavenging Activities of Ellagic Acid and Ellagic Acid Peracetate by EPR Spectrometry. Molecules, 2021, 26, 4800.	3.8	13
5	Radiosensitization of calreticulinâ€overexpressing human glioma cell line by the polyphenolic acetate 7, 8â€diacetoxyâ€4â€methylcoumarin. Cancer Reports, 2021, , e1326.	1.4	5
6	Botulinum neurotoxin inhibitor binding dynamics and kinetics relevant for drug design. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129933.	2.4	3
7	Palladiumâ€Catalyzed Decarboxylative Synthesis of 5 H â€Benzo[4,5][1,3]oxazino[2,3â€a]isoindoleâ€5,11(6a H) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 and Catalysis, 2020, 362, 552-560.	4.3	14
8	Synthesis and anti-inflammatory activity evaluation of novel chroman derivatives. New Journal of Chemistry, 2020, 44, 13716-13727.	2.8	7
9	Aldehydes: magnificent acyl equivalents for direct acylation. Organic and Biomolecular Chemistry, 2020, 18, 7987-8033.	2.8	30
10	Developing polyphenolic acetates as radiation countermeasure agents: current status and future perspectives. Drug Discovery Today, 2020, 25, 781-786.	6.4	1
11	Candida auris and Nosocomial Infection. Current Drug Targets, 2020, 21, 365-373.	2.1	20
12	Non-Enzymatic Protein Acetylation by 7-Acetoxy-4-Methylcoumarin: Implications in Protein Biochemistry. Protein and Peptide Letters, 2020, 27, 736-743.	0.9	3
13	Synthetic, Structural, and Anticancer Activity Evaluation Studies on Novel Pyrazolylnucleosides. Molecules, 2019, 24, 3922.	3.8	3
14	Mitigation of radiation-induced gastro-intestinal injury by the polyphenolic acetate 7, 8-diacetoxy-4-methylthiocoumarin in mice. Scientific Reports, 2019, 9, 14134.	3.3	17
15	Radicalâ€Induced, Palladiumâ€Catalyzed Câ€“H Activation: An Approach to Functionalize 4Hâ€Benzo[d][1,3]oxazinâ€4â€one Derivatives by Using Toluenes, Aldehydes, and Benzyl Alcohols. European Journal of Organic Chemistry, 2018, 2018, 1552-1558.	2.4	21
16	Protective effects of new antioxidant compositions of 4â€methylcoumarins and related compounds with <scp>dl</scp>â€Î±â€tocopherol and <scp>l</scp>â€ascorbic acid. Journal of the Science of Food and Agriculture, 2018, 98, 3784-3794.	3.5	8
17	Metalâ€Free, Regioselective, Dehydrogenative Crossâ€Coupling between Formamides/Aldehydes and Coumarins by Câ€“H Functionalization. European Journal of Organic Chemistry, 2018, 2018, 896-900.	2.4	15
18	Mono and dihydroxy coumarin derivatives: Copper chelation and reduction ability. Journal of Trace Elements in Medicine and Biology, 2018, 46, 88-95.	3.0	6

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19	Natural Compounds and Their Analogues as Potent Antidotes against the Most Poisonous Bacterial Toxin. Applied and Environmental Microbiology, 2018, 84, .	3.1	9
20	Oxidative Stress Induces HSP90 Upregulation on the Surface of Primary Human Endothelial Cells: Role of the Antioxidant 7,8-Dihydroxy-4-methylcoumarin in Preventing HSP90 Exposure to the Immune System. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-9.	4.0	19
21	Cover Image, Volume 98, Issue 10. Journal of the Science of Food and Agriculture, 2018, 98, i-i.	3.5	0
22	Emerging Roles of Calreticulin in Cancer: Implications for Therapy. Current Protein and Peptide Science, 2018, 19, 344-357.	1.4	22
23	Facile, catalyst-free, microwave-assisted access toward the synthesis of 2-aryl/alkyl-3-(1H-benzo[d]imidazol-2-yl)-2, 3-dihydroquinazolin-4(1H)-ones. Synthetic Communications, 2017, 47, 756-763.	2.1	8
24	Chemoenzymatic Synthesis, Nanotization, and Anti-Aspergillus Activity of Optically Enriched Fluconazole Analogues. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	4
25	Protective effects of 4-methylcoumarins and related compounds as radical scavengers and chain-breaking antioxidants. Biochimie, 2017, 140, 133-145.	2.6	9
26	Biocatalytic Synthesis of Novel Partial Esters of a Bioactive Dihydroxy 4-Methylcoumarin by Rhizopus oryzae Lipase (ROL). Molecules, 2016, 21, 1499.	3.8	3
27	Design and Synthesis of Novel Triazolyl Benzoxazine Derivatives and Evaluation of Their Antiproliferative and Antibacterial Activity. Journal of Heterocyclic Chemistry, 2016, 53, 1264-1275.	2.6	9
28	Synthesis and anti-inflammatory activity evaluation of novel triazolyl-isatin hybrids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1520-1526.	5.2	50
29	Mitigation of radiation-induced hematopoietic injury by the polyphenolic acetate 7, 8-diacetoxy-4-methylthiocoumarin in mice. Scientific Reports, 2016, 6, 37305.	3.3	28
30	Siderophores; iron scavengers: the novel & promising targets for pathogen specific antifungal therapy. Expert Opinion on Therapeutic Targets, 2016, 20, 1477-1489.	3.4	22
31	Structureâ€“activity relationship studies of 4-methylcoumarin derivatives as anticancer agents. Pharmaceutical Biology, 2016, 54, 105-110.	2.9	31
32	Facile Access to 5â€²â€•S â€(4,4â€²â€Dimethoxytrityl)â€2â€²,5â€²â€Dideoxyribonucleosides via Stable Disulfide Intermediates. Current Protocols in Nucleic Acid Chemistry, 2015, 62, 1.34.1-1.34.9.	0.5	1
33	Chick Heart Invasion Assay for Testing the Invasiveness of Cancer Cells and the Activity of Potentially Anti-invasive Compounds. Journal of Visualized Experiments, 2015, , e52792.	0.3	2
34	Role of single nucleotide polymorphisms in pharmacogenomics and their association with human diseases. Drug Metabolism Reviews, 2015, 47, 281-290.	3.6	32
35	Design, synthesis and bioevaluation of novel 6-(4-Hydroxypiperidino)naphthalen-2-ol-based potential Selective Estrogen Receptor Modulators for breast cancer. European Journal of Medicinal Chemistry, 2015, 92, 103-114.	5.5	9
36	Highly Selective Biocatalytic Transesterification Reactions on Aryl 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoates. Catalysis Letters, 2015, 145, 919-929.	2.6	4

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37	Inhibition of Alzheimerâ€™s BACE-1 by 2,6-dialkyl-4-chromon-3-yl-1,4-dihydropyridine-3,5-dicarboxylates. Medicinal Chemistry Research, 2015, 24, 3230-3241.	2.4	8
38	Diversely Substituted Indoloazepinones and Indoloazocinones: A Post-Ugi Gold-Catalyzed Regioselective Carbocyclization Approach. Synthesis, 2015, 47, 1337-1347.	2.3	22
39	Cu(<scp>i</scp>)-catalyzed microwave-assisted synthesis of 1,2,3-triazole linked with 4-thiazolidinones: a one-pot sequential approach. RSC Advances, 2015, 5, 1628-1639.	3.6	10
40	Synthesis, Antiproliferative, and câ€Src Kinase Inhibitory Activities of 4â€Oxoâ€4Hâ€1â€benzopyran Derivatives. Journal of Heterocyclic Chemistry, 2015, 52, 562-572.	2.6	17
41	Synthesis of Potential Bioactive Novel 7â€[2â€Hydroxyâ€3â€(1,2,3â€triazolâ€1â€yl)propyloxy]â€3â€alkylâ€4â€methylcoumarins. Journal of Heterocyclic Chemistry, 2015, 52, 1-14.	2.6	3
42	The Competence of 7,8-Diacetoxy-4-Methylcoumarinand Other Polyphenolic Acetates in Mitigating the Oxidative Stress and their Role in Angiogenesis. Current Topics in Medicinal Chemistry, 2015, 15, 179-186.	2.1	3
43	Comparison of Protein Acetyltransferase Action of CRTAase with the Prototypes of HAT. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	5
44	Regioselective Synthesis of Diversely Substituted Diazoninones Through a Postâ€Ugi Goldâ€Catalyzed Intramolecular Hydroarylation Process. European Journal of Organic Chemistry, 2014, 2014, 2084-2091.	2.4	39
45	Synthesis and Evaluation of 2,2â€Dimethylchroman Derivatives as Inhibitors of ICAMâ€1 Expression on Human Endothelial Cells. Journal of Heterocyclic Chemistry, 2014, 51, 1712-1719.	2.6	5
46	Cytotoxic and Radio-sensitizing Effects of Polyphenolic Acetates in a Human Glioma Cell Line (BMG-1). Current Pharmaceutical Design, 2014, 20, 1161-1169.	1.9	14
47	Modifications of Cell Signalling and Redox Balance by Targeting Protein Acetylation Using Natural and Engineered Molecules: Implications in Cancer Therapy. Current Topics in Medicinal Chemistry, 2014, 14, 2495-2507.	2.1	8
48	Diversely Substituted Triazolo[1,5â€a][1,4]benzodiazepinones: A Postâ€Ugi Copperâ€Catalyzed Tandem Azideâ€“Alkyne Cycloaddition/Ullmann Câ€“N Coupling Approach. European Journal of Organic Chemistry, 2013, 2013, 1223-1227.	2.4	53
49	Gold(I)â€Catalyzed Postâ€Ugi Hydroarylation: An Approach to Pyrrolopyridines and Azepinoindoles. European Journal of Organic Chemistry, 2013, 2013, 2288-2292.	2.4	37
50	Post Ugi Gold(I)- and Platinum(II)-Catalyzed Alkyne Activation: Synthesis of Diversely Substituted Fused Azepinones and Pyridinones. Synthesis, 2013, 45, 2571-2582.	2.3	43
51	Design, synthesis and biological activity evaluation of regioisomeric spiro-(indoline-isoxazolidines) in the inhibition of TNF-Î±-induced ICAM-1 expression on human endothelial cells. MedChemComm, 2012, 3, 1536.	3.4	12
52	Ammonium derivatives of chromenones and quinolinones as lead antimicrobial agents. Journal of Chemical Sciences, 2012, 124, 437-449.	1.5	15
53	7, 8-diacetoxy-4-methylcoumarin induced cell death in human tumor cells is influenced by calreticulin. Biochimie, 2011, 93, 497-505.	2.6	12
54	Synthesis and biological activity evaluation of N-protected isatin derivatives as inhibitors of ICAM-1 expression on human endothelial cells. MedChemComm, 2011, 2, 743.	3.4	22

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55	Crosslinking of Biocatalytically Synthesized Organosilicone Copolymers for Flame Retardant Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1055-1060.	2.2	1
56	Amphiphilic Copolymers having Saturated and Unsaturated Aliphatic Side Chains as Nano Carriers for Drug Delivery Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1009-1015.	2.2	3
57	Biocatalytic Approach for the Synthesis of Glycerolâ€Based Macroamphiphiles and their Selfâ€Assembly to Micellar Nanotransporters. Macromolecular Chemistry and Physics, 2010, 211, 239-244.	2.2	23
58	Enantioselective biocatalytic reactions on (Â±)-aryl alkyl ketones with native and modified porcine pancreatic lipase. Biocatalysis and Biotransformation, 2010, 28, 172-184.	2.0	2
59	Novel PEGylated Amphiphilic Copolymers as Nanocarriers for Drug Delivery: Synthesis, Characterization and Curcumin Encapsulation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1154-1160.	2.2	21
60	Development of Poly(ethylene glycol) Based Amphiphilic Copolymers for Controlled Release Delivery of Carbofuran. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 241-247.	2.2	58
61	Design and Biocatalytic Synthesis of Pluronics-based Nanomicellar Self-assembly Systems for Drug Encapsulation Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 788-793.	2.2	6
62	Nanocomposites and Blends of Biocatalytically Synthesized Organosilicone Co-Polymers for Flame Retardant Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1199-1204.	2.2	4
63	Microwaveâ€Assisted Palladiumâ€Catalyzed Heterogeneous Vinylation of 2(1H)â€Pyridones. European Journal of Organic Chemistry, 2009, 2009, 4589-4592.	2.4	12
64	Crosslinking of Polydimethyl Siloxane Copolymers with Aromatic Dianhydrides: The Study of Thermal and Flame Retardant Properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1228-1232.	2.2	7
65	FeCl3-Catalyzed Pechmann Synthesis of Coumarins in Ionic Liquids. Synthetic Communications, 2008, 38, 2646-2654.	2.1	40
66	Synthesis and Characterization of Novel Amphiphilic Polymers as Drug Delivery Nano Carriers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 931-937.	2.2	9
67	Design and Lipase Catalyzed Synthesis of 4-Methylcoumarin-siloxane Hybrid Copolymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 925-930.	2.2	4
68	Amino Acid and Poly(Ethylene Glycol) Based Self-Organizing Polymeric Systems: Chemo-Enzymatic Synthesis and Characterization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 957-962.	2.2	4
69	Nanocomposites of TiO2and Siloxane Copolymers as Environmentally Safe Flame-Retardant Materialsâ€. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 942-946.	2.2	26
70	Calreticulin transacetylase (CRTAase): Identification of novel substrates and CRTAase-mediated modification of protein kinase C (PKC) activity in lymphocytes of asthmatic patients by polyphenolic acetates. Pure and Applied Chemistry, 2007, 79, 729-737.	1.9	6
71	Synthesis and Characterization of Photoactive Amphiphilic Polymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 1283-1287.	2.2	4
72	Controlled Release of Covalently Bound Organic Molecules by Slow Hydrolysis for Potential Biocide Applicationsâ€. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 1289-1292.	2.2	3

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73	Design and Synthesis of Novel Pegylated 4â€²Methylcoumarins. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 1293-1298.	2.2	14
74	Characterization of protein transacetylase from human placenta as a signaling molecule calreticulin using polyphenolic peracetates as the acetyl group donors. Cell Biochemistry and Biophysics, 2007, 47, 53-64.	1.8	27
75	Novel function of calreticulin: Characterization of calreticulin as a transacetylase-mediating protein acetylator independent of acetyl CoA using polyphenolic acetates. Pure and Applied Chemistry, 2006, 78, 985-992.	1.9	26
76	New anti-invasive compounds: Results from the Indo-Belgian screening program. Pure and Applied Chemistry, 2005, 77, 65-74.	1.9	9
77	Gel-immobilized enzymes as promising biocatalysts: Results from Indo-Russian collaborative studies. Pure and Applied Chemistry, 2005, 77, 227-236.	1.9	11
78	Selective transacylation reactions on 4-aryl-3,4-dihydropyrimidin-2-ones and nucleosides mediated by novel lipases. Pure and Applied Chemistry, 2005, 77, 237-243.	1.9	10
79	Indo-U.S. collaborative studies on biocatalytic generation of novel molecular architectures. Pure and Applied Chemistry, 2005, 77, 201-208.	1.9	13
80	Biocatalytic approaches for synthesis of conducting polyaniline nanoparticles. Pure and Applied Chemistry, 2005, 77, 339-344.	1.9	26
81	Forced intercalation as a tool in gene diagnostics and in studying DNAâ€“protein interactions. Pure and Applied Chemistry, 2005, 77, 327-338.	1.9	18
82	Biopolyphenolics as antioxidants: Studies under an Indo-Italian CSIR-CNR project. Pure and Applied Chemistry, 2005, 77, 91-101.	1.9	16
83	XNA (xylo Nucleic Acid): A Summary and New Derivatives. European Journal of Organic Chemistry, 2005, 2005, 2297-2321.	2.4	23
84	Novel nucleic acid architectures involving locked nucleic acid (LNA) and pyrene residues: Results from an Indo-Danish collaboration. Pure and Applied Chemistry, 2005, 77, 319-326.	1.9	4
85	Production of a novel alkaline lipase by Fusarium globulosum using neem oil, and its applications. Pure and Applied Chemistry, 2005, 77, 251-262.	1.9	38
86	Acetoxy drug: protein transacetylase: A novel enzyme-mediating protein acetylation by polyphenolic peracetates. Pure and Applied Chemistry, 2005, 77, 245-250.	1.9	10
87	Biocatalytic routes toward pharmaceutically important precursors and novel polymeric systems. Pure and Applied Chemistry, 2005, 77, 209-226.	1.9	22
88	Selfâ€Assembly of PEG and Diester Copolymers: Effect of PEG Length, Linker, Concentration and Temperature. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1523-1528.	2.2	20
89	Biocatalytic Synthesis and Characterization of Copolymers Based on Poly(Ethylene Glycol) and Unsaturated Methyl Esters. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1515-1521.	2.2	5
90	Investigations toward new lead compounds from medicinally important plants. Pure and Applied Chemistry, 2005, 77, 25-40.	1.9	29

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91	Benzoyl Cyanide: A Mild and Efficient Reagent for Benzoylation of Nucleosides. Synthetic Communications, 2005, 35, 935-945.	2.1	13
92	Synthesis of Amphiphilic Guanylated Polymers as Potential Gene Delivery Carriers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1459-1466.	2.2	6
93	Selfâ€Organization of Amphiphilic Copolymers into Nanoparticles: Study by1H NMR Longitudinal Relaxation Time. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1489-1496.	2.2	2
94	Biocatalytic â€œgreenâ€•synthesis of PEG-based aromatic polyesters: optimization of the substrate and reaction conditions. Green Chemistry, 2004, 6, 516-520.	9.0	32
95	Synthesis, characterization and in vitro anti-invasive activity screening of polyphenolic and heterocyclic compounds. Bioorganic and Medicinal Chemistry, 2003, 11, 913-929.	3.0	42
96	Candida antarctica Lipase B Catalyzed Copolymerizations of Nonâ€proteinogenic Amino Acids and Poly(Ethylene Glycol) to Generate Novel Functionalized Polyesters. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1283-1293.	2.2	10
97	ENZYME MEDIATED OXIDATIVE POLYMERIZATION OF 4-HYDROXYBENZYL ALCOHOL FOR OPTICAL APPLICATIONS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1183-1193.	2.2	5
98	CHEMO-ENZYMATIC SYNTHESIS AND CHARACTERIZATION OF NOVEL FUNCTIONALIZED AMPHIPHILIC POLYMERS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1137-1149.	2.2	32
99	Conformationally locked aryl C-nucleosides: synthesis of phosphoramidite monomers and incorporation into single-stranded DNA and LNA (locked nucleic acid)1. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2509-2519.	1.3	22
100	Corrigendum to: Establishment of the enzymatic protein acetylation independent of acetyl CoA: recombinant glutathione S-transferase 3-3 is acetylated by a novel membrane-bound transacetylase		

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109	Utility of a Novel Lipase FromAspergillus Terreusin Deacetylation Reactions. Biocatalysis and Biotransformation, 1998, 16, 17-25.	2.0	13
110	Schiff Bases of Amino Acid Esters as New Substrates for the Enantioselective Enzymatic Hydrolysis and Accompanied Asymmetric Transformations in Aqueous Organic Solvents1,2. Journal of Organic Chemistry, 1996, 61, 1223-1227.	3.2	48
111	Differential Effects of Fraxin and Fraxetin on Mouse Liver and Lung Glutathione S-Transferases. Biocatalysis and Biotransformation, 1996, 14, 235-240.	2.0	2
112	Chiral discrimination by hydrolytic enzymes in the synthesis of optically pure materials. Journal of Chemical Sciences, 1996, 108, 575-583.	1.5	15
113	Neolignans, cyclohexanes and alkaloids from Piper wightii. Recueil Des Travaux Chimiques Des Pays-Bas, 1996, 115, 9-12.	0.0	11
114	New fragmentation pathways in the electron impact mass spectrometry of derivatized pyrano-1,3-diphenylprop-2-enones. Organic Mass Spectrometry, 1993, 28, 23-26.	1.3	2
115	Synthesis of a New Naturally Occurring 3-Phenyl-4H-1-Benzopyran-4-One. Synthetic Communications, 1988, 18, 511-517.	2.1	4
116	Trigocoumarin -a New Coumarin from Trigonella foenumgraecum. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1982, 37, 521-523.	0.7	14