

Vinod Kumar

List of Publications by Year in descending order

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59
papers

2,094
citations

430442

18
h-index

233125

45
g-index

67
all docs

67
docs citations

67
times ranked

2991
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrazole containing natural products: Synthetic preview and biological significance. European Journal of Medicinal Chemistry, 2013, 69, 735-753.	2.6	469
2	Isoxazoline containing natural products as anticancer agents: A review. European Journal of Medicinal Chemistry, 2014, 77, 121-133.	2.6	219
3	Medicinal importance of gallic acid and its ester derivatives: a patent review. Pharmaceutical Patent Analyst, 2015, 4, 305-315.	0.4	204
4	Cellulosic and hemicellulosic fractions of sugarcane bagasse: Potential, challenges and future perspective. International Journal of Biological Macromolecules, 2021, 169, 564-582.	3.6	120
5	Probing Gallic Acid for Its Broad Spectrum Applications. Mini-Reviews in Medicinal Chemistry, 2018, 18, 1283-1293.	1.1	100
6	Approaches towards the synthesis of 5-aminopyrazoles. Beilstein Journal of Organic Chemistry, 2011, 7, 179-197.	1.3	80
7	Design, synthesis, DFT, docking studies and ADME prediction of some new coumarinyl linked pyrazolylthiazoles: Potential standalone or adjuvant antimicrobial agents. PLoS ONE, 2018, 13, e0196016.	1.1	71
8	Synthesis and antibacterial activity of some new 1-heteroaryl-5-amino-4-phenyl-3-trifluoromethylpyrazoles. European Journal of Medicinal Chemistry, 2005, 40, 922-927.	2.6	70
9	Trifluoromethylpyrazoles as anti-inflammatory and antibacterial agents: A review. Journal of Fluorine Chemistry, 2015, 178, 306-326.	0.9	64
10	Synthesis and antibacterial activity of some new 1-heteroaryl-5-amino-3H/methyl-4-phenylpyrazoles. Bioorganic and Medicinal Chemistry, 2006, 14, 1785-1791.	1.4	63
11	The reaction of hydroxylamine with aryl trifluoromethyl- β -diketones: Synthesis of 5-hydroxy-5-trifluoromethyl- β -isoxazolines and their dehydration to 5-trifluoromethylisoxazoles. Journal of Fluorine Chemistry, 2006, 127, 880-888.	0.9	51
12	Synthesis and biological evaluation of some 2-(3,5-dimethyl-1H-pyrazol-1-yl)-1-arylethanones: Antibacterial, DNA photocleavage, and anticancer activities. European Journal of Medicinal Chemistry, 2014, 81, 267-276.	2.6	49
13	Fluorinated isoxazolines and isoxazoles: A synthetic perspective. Journal of Fluorine Chemistry, 2015, 180, 55-97.	0.9	42
14	Reaction of Hydrazines and Hydroxylamine with Trifluoromethyl- β -diketones: Synthesis of Trifluoromethylpyrazole and Isoxazole Derivatives. Heterocycles, 2008, 75, 2893.	0.4	41
15	Developments in Synthesis of the Anti-inflammatory Drug, Celecoxib: A Review. Recent Patents on Inflammation and Allergy Drug Discovery, 2013, 7, 124-134.	3.9	40
16	The reaction of aryl and heteroarylhydrazines with aryl- β -diketones. Journal of Heterocyclic Chemistry, 2006, 43, 1003-1014.	1.4	35
17	Design, regioselective synthesis and cytotoxic evaluation of 2-aminoimidazole-quinoline hybrids against cancer and primary endothelial cells. European Journal of Medicinal Chemistry, 2014, 87, 150-158.	2.6	27
18	Cinnamaldehyde regulates H ₂ O ₂ -induced skeletal muscle atrophy by ameliorating the proteolytic and antioxidant defense systems. Journal of Cellular Physiology, 2019, 234, 6194-6208.	2.0	27

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19	Synthesis, docking study, and DNA photocleavage activity of some pyrimidinyl hydrazones and 3-(quinolin-3-yl)-5,7-dimethyl-1,2,4-triazolo[4,3-a]pyrimidine derivatives. <i>Medicinal Chemistry Research</i> , 2015, 24, 1830-1841.	1.1	19
20	Thermal and biological studies of Schiff bases of chitosan derived from heteroaryl aldehydes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1707-1716.	2.0	18
21	Microwave Assisted Synthesis of Imidazoles - A Review. <i>Mini-Reviews in Organic Chemistry</i> , 2012, 9, 270-284.	0.6	17
22	Synthesis of some new 3,5-diamino-4-(4-fluorophenylazo)-1-aryl/heteroarylpyrazoles as antimicrobial agents. <i>Medicinal Chemistry Research</i> , 2013, 22, 3566-3573.	1.1	16
23	Triazole and Oxadiazole Containing Natural Products: A Review. <i>Natural Products Journal</i> , 2014, 4, 115-130.	0.1	16
24	Imidazole Containing Natural Products as Antimicrobial Agents: A Review. <i>Natural Products Journal</i> , 2014, 4, 73-81.	0.1	15
25	A Facile Synthesis of Thiazole(3H)-thiones Through [Hydroxy(tosyloxy)iodo]benzene. <i>Synthetic Communications</i> , 2004, 34, 2659-2664.	1.1	14
26	Solvent-free synthesis of novel (E)-2-(3,5-dimethyl-4-(aryldiazenyl)-1H-pyrazol-1-yl)-4-arylthiazoles: determination of their biological activity. <i>Medicinal Chemistry Research</i> , 2015, 24, 3863-3875.	1.1	13
27	Optimization of cellulase production by <i>Bacillus subtilis</i> subsp. <i>subtilis</i> JJBS300 and biocatalytic potential in saccharification of alkaline-pretreated rice straw. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 1-8.	1.0	13
28	Structure of the products of condensation of hydroxylamine with trifluoromethyl- β -diketones: assignments of the diastereotopic protons of the 4-methylene group in 5-hydroxy-5-trifluoromethyl- β -2-isoxazolines. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 1040-1043.	1.1	12
29	A facile and rapid one-pot synthesis of 1,4-diaryl-2-mercaptoimidazoles under solvent-free conditions. <i>Journal of Sulfur Chemistry</i> , 2007, 28, 617-623.	1.0	12
30	1,4-Diaryl-2-mercaptoimidazoles derivatives as a novel class of antimicrobial agents: design, synthesis, and computational studies. <i>Medicinal Chemistry Research</i> , 2014, 23, 4209-4220.	1.1	12
31	Synthesis of some novel oxazolidinone-thiazole hybrids as potential antimicrobial, antioxidant and UV mediated DNA damage protecting agents. <i>Medicinal Chemistry Research</i> , 2016, 25, 2237-2249.	1.1	12
32	DHA: An Excellent Source of Bioactive Heterocycles. <i>Letters in Organic Chemistry</i> , 2014, 11, 273-286.	0.2	12
33	Experimental and Computational Validation of Structural Features and BSA Binding Tendency of 5-Hydroxy-5-trifluoromethyl- β -arylpyrazolines**. <i>ChemistrySelect</i> , 2021, 6, 10324-10335.	0.7	12
34	4-Fluorophenylhydrazones as potential COX-2 inhibitors: a novel, efficient, one pot solid phase synthesis, docking study and pharmacological evaluation. <i>Medicinal Chemistry Research</i> , 2013, 22, 5890-5900.	1.1	11
35	Simple and solvent free practical procedure for chalcones: An expeditious, mild and greener approach. <i>Current Research in Green and Sustainable Chemistry</i> , 2020, 3, 100041.	2.9	10
36	Production of cellulolytic enzymes by <i>Myceliophthora thermophila</i> and their applicability in saccharification of rice straw. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.	2.9	9

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37	Antibacterial, tyrosinase, and DNA photocleavage studies of some triazolynucleosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2017, 36, 543-551.	0.4	7
38	Novel (E)-1-aryl-2-(3,5-dimethyl-4-(aryldiazenyl)-1H-pyrazol-1-yl)ethanones: solvent-free synthesis and antimicrobial, antioxidant and UV-mediated DNA damage protective activity studies. <i>Medicinal Chemistry Research</i> , 2015, 24, 4023-4036.	1.1	6
39	Synthesis, structural and pharmacological exploration of 2-(3, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (5-dimethyl-1H-pyrazol-1-yl)ethanone. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 114972.	1.0	6
40	A greener, mild, and efficient bioprocess for the pretreatment and saccharification of rice straw. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 4121-4133.	2.9	6
41	Enhanced Phytase Production by <i>Bacillus subtilis</i> subsp. <i>subtilis</i> in Solid State Fermentation and its Utility in Improving Food Nutrition. <i>Protein and Peptide Letters</i> , 2021, 28, 1083-1089.	0.4	6
42	(Diacetoxyiodo)Benzene Mediated Fused 1,2,4-Triazole Derivatives: Synthetic and Medicinal Perspective. <i>Mini-Reviews in Organic Chemistry</i> , 2018, 16, 12-25.	0.6	6
43	Biochemical characteristics of a novel ethanol-tolerant xylanase from <i>Bacillus subtilis</i> subsp. <i>subtilis</i> JJBS250 and its applicability in saccharification of rice straw. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	5
44	Synthesis, characterization, antibacterial and DNA photocleavage study of 1-(2-Arenethyl)-3,5-dimethyl-1H-pyrazoles. <i>Chemical Data Collections</i> , 2020, 28, 100408.	1.1	5
45	Sugarcane bagasse: an important lignocellulosic substrate for production of enzymes and biofuels. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6111-6142.	2.9	5
46	Biochemical characterization and enhanced production of endoxylanase from thermophilic mould <i>Myceliophthora thermophila</i> . <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1539-1555.	1.7	4
47	Biochemical properties of cellulolytic and xylanolytic enzymes from <i>Sporotrichum thermophile</i> and their utility in bioethanol production using rice straw. <i>Preparative Biochemistry and Biotechnology</i> , 2021, , 1-13.	1.0	4
48	Methyl-linked Pyrazoles: Synthetic and Medicinal Perspective. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, 770-804.	1.1	4
49	Poly(vinylbenzyl sulfonic acid)-grafted poly(ether ether ketone) membranes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 321, 59-65.	0.6	3
50	Synthesis of Some Aroylhydrazones and 2,5-Disubstituted-1,3,4- Oxadiazoles as DNA Photocleaving Agents. , 2016, 6, .		3
51	Synthesis of Some Hippuric Acid Substrate Linked Novel Pyrazoles as Antimicrobial Agents. <i>Asian Journal of Chemistry</i> , 2019, 31, 522-526.	0.1	3
52	Copper(I) Catalyzed Azide-Alkyne Click Reaction: Synthesis and Metal-Ion Binding Studies of Some 1,2,3-Triazole Derivatives. <i>Asian Journal of Chemistry</i> , 2016, 28, 613-616.	0.1	2
53	A sustainable approach to the development of highly degradable packaging films of pectin/guar gum/polyvinyl pyrrolidone: Thermal, biodegradation, and mechanical studies with statistical optimization. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	2
54	Correlation between the cross-linking and degradation activation energy of cotton fabric treated with chitosan kinetic study by "model-free" multiple heating rate methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3267-3274.	2.0	1

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55	Novel Acetohydrazide Pyrazole Derivatives: Design, Synthesis, Characterization and Antimicrobial Activity. Asian Journal of Chemistry, 2019, 31, 2740-2744.	0.1	1
56	A Facile Synthesis of Thiazole-2(3H)-thiones Through [Hydroxy(tosyloxy)iodo]benzene.. ChemInform, 2004, 35, no.	0.1	0
57	Editorial (Thematic Issue: Emerging Azoles: Structure Function Relationship and Their Therapeutic) Tj ETQq1 1 0.784314 rgBT ₀ /Overlo	0.1	0
58	Azoles: Introduction, Current and Future Scope. Bioenergetics: Open Access, 2016, 5, .	0.1	0
59	Phenols and Polyphenols: Promise and Peril to Human Health. Mini-Reviews in Medicinal Chemistry, 2018, 18, 1242-1243.	1.1	0