

Deepak Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,594
citations

393982

19
h-index

344852

36
g-index

65
all docs

65
docs citations

65
times ranked

1606
citing authors

#	ARTICLE	IF	CITATIONS
1	Revolution from monometallic to trimetallic nanoparticle composites, various synthesis methods and their applications: A review. <i>Materials Science and Engineering C</i> , 2017, 71, 1216-1230.	3.8	195
2	The chemical constituents and diverse pharmacological importance of <i>Tinospora cordifolia</i> . <i>Heliyon</i> , 2019, 5, e02437.	1.4	148
3	Benzimidazole bearing oxadiazole and triazolo-thiadiazoles nucleus: Design and synthesis as anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5438-5444.	1.0	86
4	Phytochemistry and pharmacological activity of the genus <i>artemisia</i> . <i>Archives of Pharmacal Research</i> , 2021, 44, 439-474.	2.7	85
5	Microwave-assisted parallel synthesis of benzofuran-2-carboxamide derivatives bearing anti-inflammatory, analgesic and antipyretic agents. <i>Tetrahedron Letters</i> , 2014, 55, 2796-2800.	0.7	81
6	Microfluidic chips: recent advances, critical strategies in design, applications and future perspectives. <i>Microfluidics and Nanofluidics</i> , 2021, 25, 99.	1.0	73
7	Cobalt(II), nickel(II), copper(II) and zinc(II) complexes of thiadiazole based Schiff base ligands: Synthesis, structural characterization, DFT, antidiabetic and molecular docking studies. <i>Journal of Molecular Structure</i> , 2022, 1253, 132266.	1.8	64
8	Design, synthesis and antidiabetic evaluation of oxazolone derivatives. <i>Journal of Chemical Sciences</i> , 2011, 123, 335-341.	0.7	54
9	Analgesic, anti-inflammatory, antipyretic and toxicological evaluation of some newer 3-methyl pyrazolone derivatives. <i>Saudi Pharmaceutical Journal</i> , 2011, 19, 115-122.	1.2	47
10	Photocatalytic degradation of organic dyes: Pd- Al_2O_3 and PdO- Al_2O_3 as potential photocatalysts. <i>RSC Advances</i> , 2021, 11, 6396-6406.	1.7	44
11	Milk adulterant detection: Conventional and biosensor based approaches: A review. <i>Sensing and Bio-Sensing Research</i> , 2021, 33, 100433.	2.2	43
12	Transition metal complexes of triazole-based bioactive ligands: synthesis, spectral characterization, antimicrobial, anticancer and molecular docking studies. <i>Research on Chemical Intermediates</i> , 2022, 48, 703-729.	1.3	38
13	Application of LC-MS/MS for quantitative analysis of glucocorticoids and stimulants in biological fluids. <i>Journal of Pharmaceutical Analysis</i> , 2013, 3, 341-348.	2.4	34
14	Synthesis, spectral analysis and <i>in vitro</i> cytotoxicity of diorganotin (IV) complexes derived from indole-3-butyl hydrazide. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5815.	1.7	32
15	Design, synthesis and cytotoxic evaluation of novel imidazolone fused quinazolinone derivatives. <i>Arabian Journal of Chemistry</i> , 2017, 10, 344-350.	2.3	28
16	Microwave-assisted Synthesis, Characterization of Reduced Graphene Oxide, and Its Antibacterial Activity. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2034-2038.	1.0	26
17	Amalgamation of biosensors and nanotechnology in disease diagnosis: Mini-review. <i>Sensors International</i> , 2021, 2, 100089.	4.9	26
18	Design, synthesis, anticancer and antioxidant activities of amide linked 1,4-disubstituted 1,2,3-triazoles. <i>Journal of Molecular Structure</i> , 2021, 1226, 129255.	1.8	22

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19	Bioinspired quantum dots for cancer therapy: A mini-review. <i>Materials Letters</i> , 2022, 313, 131742.	1.3	22
20	Nanoparticles Incorporating a Fluorescence Turn-on Reporter for Real-Time Drug Release Monitoring, a Chemoenhancer and a Stealth Agent: Poseidon's Trident against Cancer?. <i>Molecular Pharmaceutics</i> , 2021, 18, 124-147.	2.3	21
21	Sonochemical Decoration of Graphene Oxide with Magnetic Fe ₃ O ₄ @CuO Nanocomposite for Efficient Click Synthesis of Coumarin-Sugar Based Bioconjugates and Their Cytotoxic Activity. <i>Catalysis Letters</i> , 2020, 150, 1142-1154.	1.4	20
22	Revisiting liquorice (<i>Glycyrrhiza glabra</i> L.) as anti-inflammatory, antivirals and immunomodulators: Potential pharmacological applications with mechanistic insight.. <i>Phytomedicine Plus</i> , 2022, 2, 100206.	0.9	20
23	Synthesis, characterization, in vitro antimicrobial and cytotoxic studies of Co(II), Ni(II), Cu(II), and Zn(II) complexes obtained from Schiff base ligands of 1, 2, 3, 4-tetrahydro-1-naphthalen-1-ylamine. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	20
24	Design, synthesis, crystal structure, molecular docking studies of some diorganotin(IV) complexes derived from the piperonylic hydrazide Schiff base ligands as cytotoxic agents. <i>Journal of Molecular Structure</i> , 2021, 1232, 129992.	1.8	19
25	A Comprehensive Review of Alzheimer's Association with Related Proteins: Pathological Role and Therapeutic Significance. <i>Current Neuropharmacology</i> , 2020, 18, 674-695.	1.4	18
26	Potentialities of aptasensors in cancer diagnosis. <i>Materials Letters</i> , 2022, 308, 131240.	1.3	18
27	Natural Compounds Targeting Major Signaling Pathways in Lung Cancer. , 2021, , 821-846.		16
28	Trends of bioderived carbonaceous materials for futuristic biomedical applications. <i>Materials Letters</i> , 2022, 311, 131606.	1.3	15
29	Unravelling the therapeutic potential of orchid plant against cancer. <i>South African Journal of Botany</i> , 2022, 150, 69-79.	1.2	15
30	Development and Validation of RP-HPLC Method for Simultaneous Determination of Curcumin and Quercetin in Extracts, Marketed Formulations, and Self-Nanoemulsifying Drug Delivery System. <i>Re:GEN Open</i> , 2021, 1, 43-52.	0.7	14
31	Ultrasensitive nanohybrid electrochemical sensor to detect LipL32 gene of <i>Leptospira interrogans</i> . <i>Chemical Papers</i> , 2021, 75, 5453-5462.	1.0	13
32	Synthesis, characterization, in vitro antimicrobial and cytotoxic evaluation of Co(II), Ni(II), Cu(II) and Zn(II) complexes derived from bidentate hydrazones. <i>Research on Chemical Intermediates</i> , 2022, 48, 423-455.	1.3	13
33	<i>Pinus gerardiana</i> Wallichex. D. Don. -A review. <i>Phytomedicine Plus</i> , 2021, 1, 100024.	0.9	12
34	Chromenes - A Novel Class of Heterocyclic Compounds: Recent Advancements and Future Directions. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, 2736-2751.	1.1	12
35	Development and validation of RP-HPLC based bioanalytical method for simultaneous estimation of curcumin and quercetin in rat's plasma. <i>South African Journal of Botany</i> , 2022, 149, 870-877.	1.2	11
36	Rediscovering the Therapeutic Potential of Agarwood in the Management of Chronic Inflammatory Diseases. <i>Molecules</i> , 2022, 27, 3038.	1.7	11

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37	Design, synthesis and biological evaluation of benzoxazolinone-containing 1,3,4-thiadiazoles as TNF- α inhibitors. <i>Heliyon</i> , 2019, 5, e01503.	1.4	10
38	Comparative antioxidant activity of roots and fruits of <i>Piper sylvaticum</i> Roxb. <i>Journal of Comprehensive Pharmacy</i> , 2016, 03, 132-135.	0.0	10
39	Potential Immunomodulatory Activities of Plant Products. <i>South African Journal of Botany</i> , 2022, 149, 937-943.	1.2	10
40	Chemical composition, and antibacterial and antioxidant activities of essential oils from <i>Laggeratomentosa</i> Sch. Bip. ex Oliv. et Hiern (Asteraceae). <i>Turkish Journal of Chemistry</i> , 2020, 44, 1539-1548.	0.5	9
41	Development and validation of RP-HPLC method for 1 β , γ -Acetoxychavicol acetate (ACA) and its application in optimizing the yield of ACA during its isolation from <i>Alpinia galanga</i> extract as well as its quantification in nanoemulsion. <i>South African Journal of Botany</i> , 2022, 149, 887-898.	1.2	9
42	Studies on Synthesis and Characterization of Fe ₃ O ₄ @SiO ₂ @Ru Hybrid Magnetic Composites for Reusable Photocatalytic Application. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	9
43	Green chemistry appended synthesis, metabolic stability and pharmacokinetic assessment of medicinally important chromene dihydropyrimidinones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126750.	1.0	8
44	Diorganotin(IV) complexes derived from thiazole Schiff bases: synthesis, characterization, antimicrobial and cytotoxic studies. <i>Research on Chemical Intermediates</i> , 2022, 48, 267-289.	1.3	8
45	Determination of Pharmaceuticals by UV-Visible Spectrophotometry. <i>Current Pharmaceutical Analysis</i> , 2021, 17, 1156-1170.	0.3	8
46	Targeting cancer using phytoconstituents-based drug delivery. , 2021, , 499-508.		8
47	Role of Nanofibers in Encapsulation of the Whole Cell. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-9.	1.2	8
48	Orchestration of the circadian clock and its association with Alzheimer's disease: Role of endocannabinoid signaling. <i>Ageing Research Reviews</i> , 2022, 73, 101533.	5.0	8
49	<i>In vitro</i> antidiabetic, antioxidant, antimicrobial, and cytotoxic activity of <i>Murraya koenigii</i> leaf extract intercedes ZnO nanoparticles. <i>Luminescence</i> , 2023, 38, 1139-1148.	1.5	8
50	Antimicrobial and docking studies of (â ⁺)-catechin derivatives. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2015, 58, 581-585.	0.9	7
51	Promising protein biomarkers in the early diagnosis of Alzheimer's disease. <i>Metabolic Brain Disease</i> , 2022, , 1.	1.4	7
52	Managing Apoptosis in Lung Diseases using Nano-assisted Drug Delivery System. <i>Current Pharmaceutical Design</i> , 2022, 28, 3202-3211.	0.9	7
53	Synthesis and Biological Evaluation of Novel Substituted-Imidazolidine Derivatives. <i>Journal of the Korean Chemical Society</i> , 2013, 57, 227-233.	0.2	6
54	Plant seed extract assisted, eco-synthesized Ca-ZnO nanoparticles: Characterization, chromium(VI) ion adsorption and kinetic studies. <i>Luminescence</i> , 2023, 38, 1123-1131.	1.5	6

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55	<i>In vivo</i> and <i>in silico</i> investigations of the pegylated gold nanoparticle treatment of amyotrophic lateral sclerosis in mice. <i>New Journal of Chemistry</i> , 2022, 46, 12252-12264.	1.4	6
56	DL-Valine assisted fabrication of quercetin loaded CuO nanoleaves through microwave irradiation method: Augmentation in its catalytic and antimicrobial efficiencies. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100306.	1.7	5
57	A novel gold nanosensor and "Blockade-of-Binding" based immunochromatographic rapid antigen test kit for Zika virus. <i>Materials Letters</i> , 2021, , 131322.	1.3	5
58	A comprehensive review on angel's trumpet (<i>Brugmansia suaveolens</i>). <i>South African Journal of Botany</i> , 2022, 151, 266-274.	1.2	5
59	Facile metal-free visible-light-mediated chlorotrifluoromethylation of terminal alkenes. <i>Monatshefte für Chemie</i> , 2022, 153, 495-500.	0.9	5
60	Mild and efficient one-pot synthesis of (E)-styrylperfluoroalkyl ketone from styrene. <i>Results in Chemistry</i> , 2022, 4, 100260.	0.9	3
61	Recent Diagnostic Techniques for COVID-19. <i>EAI/Springer Innovations in Communication and Computing</i> , 2021, , 75-94.	0.9	2
62	COMPARISON OF DIURETIC ACTIVITY OF ETHANOLIC EXTRACT OF <i>AERVA LANATA</i> (Linn.) Juss. ex. Schult & <i>AERVA TOMENTOSA</i> Forsk. Family: AMARANTHACEAE. <i>Ancient Science of Life: Journal of International Institute of Ayurveda</i> , 2005, 25, 66-8.	0.3	0
63	Use of Spectroscopic Methods and Their Clinical Applications in Drug Abuse: A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-14.	1.8	0