

Rui W M Krause

List of Publications by Year in descending order

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88
papers

2,415
citations

236612

25
h-index

233125

45
g-index

90
all docs

90
docs citations

90
times ranked

3500
citing authors

#	ARTICLE	IF	CITATIONS
1	Ethnobotanical survey, phytoconstituents and antibacterial investigation of <i>Rapanea melanophloeos</i> (L.) Mez. bark, fruit and leaf extracts. <i>ChemistrySelect</i> , 2023, 8, 1019-1044.	0.7	0
2	Conduction and Resistive Switching in Dropcast CdTe/CdSe Core-Shell Quantum Dots Embedded Chitosan Composite. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2022, 46, 709-716.	0.7	4
3	In vitro antibacterial and cytotoxic effects of <i>Euphorbia grandicornis</i> Blanc chemical constituents. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, 90.	1.2	3
4	Resistive Switching in CdTe/CdSe Core-Shell Quantum Dots Embedded Chitosan-Based Memory Devices. <i>Journal of Circuits, Systems and Computers</i> , 2022, 31, .	1.0	5
5	A Critical Review of the Antimicrobial and Antibiofilm Activities of Green-Synthesized Plant-Based Metallic Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 1841.	1.9	17
6	Design, Manufacturing, Characterization and Evaluation of Lipid Nanocapsules to Enhance the Biopharmaceutical Properties of Efavirenz. <i>Pharmaceutics</i> , 2022, 14, 1318.	2.0	1
7	A New Chalcone and Antimicrobial Chemical Constituents of <i>Dracaena stedneuri</i> . <i>Pharmaceutics</i> , 2022, 15, 725.	1.7	6
8	Catalytic Performance of Immobilized Sulfuric Acid on Silica Gel for N-Formylation of Amines with Triethyl Orthoformate. <i>Molecules</i> , 2022, 27, 4213.	1.7	5
9	Terminaliamide, a new ceramide and other phytoconstituents from the roots of <i>Terminalia mantaly</i> H. Perrier and their biological activities. <i>Natural Product Research</i> , 2021, 35, 1313-1322.	1.0	5
10	Unlocking the Diversity of Pyrroloiminoquinones Produced by <i>Latrunculid</i> Sponge Species. <i>Marine Drugs</i> , 2021, 19, 68.	2.2	8
11	Review of the Traditional Uses, Phytochemistry, and Pharmacological Activities of <i>Rhoicissus</i> Species (Vitaceae). <i>Molecules</i> , 2021, 26, 2306.	1.7	8
12	Flavonoids from the Genus <i>Euphorbia</i> : Isolation, Structure, Pharmacological Activities and Structure-Activity Relationships. <i>Pharmaceutics</i> , 2021, 14, 428.	1.7	19
13	Rapid Synthesis of Thiol-Co-Capped-CdTe/CdSe/ZnSe Core Shell-Shell Nanoparticles: Their Optical and Structural Morphology. <i>Nanomaterials</i> , 2021, 11, 1193.	1.9	5
14	Ultrasound-Triggered Release of 5-Fluorouracil from Soy Lecithin Echogenic Liposomes. <i>Pharmaceutics</i> , 2021, 13, 821.	2.0	13
15	<i>Euphorbia</i> Diterpenes: An Update of Isolation, Structure, Pharmacological Activities and Structure-Activity Relationship. <i>Molecules</i> , 2021, 26, 5055.	1.7	24
16	Development of pH-Sensitive Chitosan-g-poly(acrylamide-co-acrylic acid) Hydrogel for Controlled Drug Delivery of Tenofovir Disoproxil Fumarate. <i>Polymers</i> , 2021, 13, 3571.	2.0	13
17	Bioguided isolation of antiplasmodial secondary metabolites from <i>Persea americana</i> Mill. (Lauraceae). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2021, .	0.6	0
18	Encapsulation and physicochemical evaluation of efavirenz in liposomes. <i>Journal of Pharmaceutical Investigation</i> , 2020, 50, 201-208.	2.7	17

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19	The crystal structure of 2-oxo-2 <i>H</i> -chromen-4-yl acetate, C ₁₁ H ₈ O ₄ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 397-398.	0.1	0
20	Synthesis and biological evaluation of bis-N ₂ ,N ₂ -(4-hydroxycoumarin-3-yl)ethylidene]-2,3-dihydroxysuccinodihydrazides. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126911.	1.0	3
21	Clinically established biodegradable long acting injectables: An industry perspective. Advanced Drug Delivery Reviews, 2020, 167, 19-46.	6.6	72
22	Green synthesis of antimicrobial silver nanoparticles using aqueous leaf extracts from three Congolese plant species (<i>Brillantaisia patula</i> , <i>Crossopteryx febrifuga</i> and <i>Senna siamea</i>). Heliyon, 2020, 6, e04493.	1.4	103
23	Simultaneous liposomal encapsulation of antibiotics and proteins: Co-loading and characterization of rifampicin and Human Serum Albumin in soy-liposomes. Journal of Drug Delivery Science and Technology, 2020, 58, 101751.	1.4	9
24	Compound isolation and biological activities of <i>Piptadeniastrum africanum</i> (hook.f.) Brennan roots. Journal of Ethnopharmacology, 2020, 255, 112716.	2.0	3
25	Synthesis of pH Sensitive Dual Capped CdTe QDs: Their Optical Properties and Structural Morphology. Journal of Fluorescence, 2020, 30, 557-564.	1.3	9
26	Antiparasitic Constituents of <i>Beilschmiedia louisii</i> and <i>Beilschmiedia obscura</i> and Some Semisynthetic Derivatives (Lauraceae). Molecules, 2020, 25, 2862.	1.7	7
27	A Novel Dimeric Exoglucanase (GH5_38): Biochemical and Structural Characterisation towards its Application in Alkyl Cellobioside Synthesis. Molecules, 2020, 25, 746.	1.7	5
28	Encapsulation of Isoniazid-conjugated Phthalocyanine-In-Cyclodextrin-In-Liposomes Using Heating Method. Scientific Reports, 2019, 9, 11485.	1.6	31
29	Cordidepsine is A Potential New Anti-HIV Depsidone from <i>Cordia millenii</i> , Baker. Molecules, 2019, 24, 3202.	1.7	6
30	Molecular Networking Reveals Two Distinct Chemotypes in Pyrroloiminoquinone-Producing <i>Tsitsikamma favus</i> Sponges. Marine Drugs, 2019, 17, 60.	2.2	19
31	Green synthesis of zinc oxide nanoparticles using <i>Solanum torvum</i> (L) leaf extract and evaluation of the toxicological profile of the ZnO nanoparticles-hydrogel composite in Wistar albino rats. International Nano Letters, 2019, 9, 99-107.	2.3	128
32	Anti-HIV-1 integrase potency of methylgallate from <i>Alchornea cordifolia</i> using in vitro and in silico approaches. Scientific Reports, 2019, 9, 4718.	1.6	13
33	Biological activity of plant extracts and isolated compounds from <i>Alchornea laxiflora</i> : Anti-HIV, antibacterial and cytotoxicity evaluation. South African Journal of Botany, 2019, 122, 498-503.	1.2	18
34	Co-encapsulation of Rifampicin and Isoniazid in Crude Soybean Lecithin Liposomes. South African Journal of Chemistry, 2019, 72, 80-87.	0.3	6
35	Antiplasmodial Activity of the n-Hexane Extract from <i>Pleurotus ostreatus</i> ; (Jacq. ex.) Tj ETQq1 1 0.784314 rgBT / Over 0.6 5	0.6	5
36	Biological activities of plant extracts from <i>Ficus elastica</i> and <i>Selaginella vogelli</i> : An antimalarial, antitypanosomal and cytotoxicity evaluation. Saudi Journal of Biological Sciences, 2018, 25, 117-122.	1.8	26

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37	Blending problem-based learning and peer-led team learning, in an open ended "home-grown"™ pharmaceutical chemistry case study. <i>Chemistry Education Research and Practice</i> , 2018, 19, 68-79.	1.4	9
38	Beneficial effects of medicinal plants in fish diseases. <i>Aquaculture International</i> , 2018, 26, 289-308.	1.1	83
39	Conjugation of isoniazid to a zinc phthalocyanine via hydrazone linkage for pH-dependent liposomal controlled release. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1313-1323.	1.6	19
40	Anti-malarial synergy of secondary metabolites from <i>Morinda lucida</i> Benth. <i>Journal of Ethnopharmacology</i> , 2017, 199, 91-96.	2.0	26
41	Preparation and characterization of isoniazid-loaded crude soybean lecithin liposomes. <i>International Journal of Pharmaceutics</i> , 2017, 526, 466-473.	2.6	49
42	Secondary metabolites from <i>Tetracera potatoria</i> stem bark with anti-mycobacterial activity. <i>Journal of Ethnopharmacology</i> , 2017, 195, 238-245.	2.0	19
43	Cationic cyclodextrin/alginate chitosan as 5-fluorouracil drug delivery system. <i>Materials Science and Engineering C</i> , 2017, 70, 169-177.	3.8	68
44	Synthesis of silver nanoparticles from a <i>Desmodium adscendens</i> extract and its antibacterial evaluation on wound dressing material. <i>IET Nanobiotechnology</i> , 2017, 11, 1017-1026.	1.9	4
45	Facile Synthesis of Glutathione-l-Cysteine Co-Capped CdTe Core Shell System: Study on Optical and Structural Morphology. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5359-5365.	0.9	3
46	Synthesis and antimalarial activity of N-benzylated (N-arylcarbamoyl)alkylphosphonic acid derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6131-6138.	1.4	13
47	Cyclodextrin grafted calcium carbonate vaterite particles: efficient system for tailored release of hydrophobic anticancer or hormone drugs. <i>RSC Advances</i> , 2016, 6, 104537-104548.	1.7	22
48	Antibacterial effects of <i>Alchornea cordifolia</i> (Schumach. and Thonn.) Müll. Arg extracts and compounds on gastrointestinal, skin, respiratory and urinary tract pathogens. <i>Journal of Ethnopharmacology</i> , 2016, 179, 76-82.	2.0	38
49	Latrunculid sponges, their microbial communities and secondary metabolites: connecting conserved bacterial symbionts to pyrroloiminoquinone production. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0
50	Evaluation of the simulated solar light photocatalytic activity of N, Ir co-doped TiO ₂ for organic dye removal from water. <i>Applied Surface Science</i> , 2015, 329, 127-136.	3.1	23
51	A Colorimetric Probe for Dopamine Based on Gold Nanoparticles-electrospun Nanofibre Composite. <i>Materials Today: Proceedings</i> , 2015, 2, 4060-4069.	0.9	9
52	Determination of Catechins from <i>Elephantorrhiza elephantina</i> and <i>Pentanisia prunelloides</i> using Voltammetry and UV spectroscopy. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.2	4
53	Comparison between Base Metals and Platinum Group Metals in Nitrogen, M Codoped TiO ₂ (M = Fe, Cu, Pd, Os) for Photocatalytic Removal of an Organic Dye in Water. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-12.	1.5	17
54	Steam activation, characterisation and adsorption studies of activated carbon from maize tassels. <i>Chemistry and Ecology</i> , 2014, 30, 473-490.	0.6	17

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55	Antibacterial activity of the roots, stems and leaves of <i>Alchornea floribunda</i> . <i>Journal of Ethnopharmacology</i> , 2014, 151, 1023-1027.	2.0	18
56	Antibacterial activities of plants from Central Africa used traditionally by the Bakola pygmies for treating respiratory and tuberculosis-related symptoms. <i>Journal of Ethnopharmacology</i> , 2014, 155, 123-131.	2.0	32
57	Interactive efficacies of <i>Elephantorrhiza elephantina</i> and <i>Pentanisia prunelloides</i> extracts and isolated compounds against gastrointestinal bacteria. <i>South African Journal of Botany</i> , 2014, 94, 224-230.	1.2	13
58	Cytotoxicity, phytochemical analysis and antioxidant activity of crude extracts from rhizomes of <i>Elephantorrhiza elephantina</i> and <i>Pentanisia prunelloides</i> . <i>African Journal of Traditional Complementary and Alternative Medicines</i> , 2014, 11, 34-52.	0.2	6
59	Cyclodextrin dendrimer functionalized polysulfone membrane for the removal of humic acid in water. <i>Journal of Applied Polymer Science</i> , 2013, 130, 4428-4439.	1.3	13
60	The influence of solvent properties on the performance of polysulfone/cyclodextrin polyurethane mixed matrix membranes. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2005-2014.	1.3	19
61	Synthesis and Magnetic Properties of a Superparamagnetic Nanocomposite Pectin-Magnetite Nanocomposite. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	1.5	46
62	Recent Trends in the Microwave-Assisted Synthesis of Metal Oxide Nanoparticles Supported on Carbon Nanotubes and Their Applications. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-15.	1.5	66
63	Detailed investigation of a β -cyclodextrin inclusion complex with l-thyroxine for improved pharmaceutical formulations. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012, 74, 397-405.	1.6	13
64	Characterisation of natural organic matter (NOM) and its removal using cyclodextrin polyurethanes. <i>Water S A</i> , 2012, 35, .	0.2	3
65	Multiwalled carbon nanotubes decorated with nitrogen, palladium co-doped TiO ₂ (MWCNT/N, Pd) Nanoparticle Research, 2012, 14, 1.	0.8	48
66	Synthesis, characterization and thermal decomposition behaviour of triphenylphosphine-linked multiwalled carbon nanotubes. <i>Carbon</i> , 2012, 50, 2741-2751.	5.4	30
67	Synthesis and characterisation of generation 2 and 3 poly(propylene imine) dendrimer capped NiFe nanoalloy. <i>Materials Letters</i> , 2012, 68, 324-326.	1.3	10
68	Synthesis and characterization of alanine-capped water soluble copper sulphide quantum dots. <i>Materials Letters</i> , 2012, 75, 161-164.	1.3	21
69	Preparation and characterization of polysulfone/cyclodextrin polyurethane composite nanofiltration membranes. <i>Journal of Membrane Science</i> , 2012, 405-406, 291-299.	4.1	104
70	Copper and silver impregnated carbon nanotubes incorporated into cyclodextrin polyurethanes for the removal of bacterial and organic pollutants in water. <i>Desalination and Water Treatment</i> , 2011, 27, 299-307.	1.0	15
71	Nitrogen/Palladium-Codoped TiO ₂ for Efficient Visible Light Photocatalytic Dye Degradation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22110-22120.	1.5	234
72	Treatability and characterization of Natural Organic Matter (NOM) in South African waters using newly developed methods. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 1159-1166.	1.2	16

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73	Synthesis and characterization of titania based binary metal oxide nanocomposite as potential environmental photocatalysts. <i>Materials Chemistry and Physics</i> , 2011, 129, 406-410.	2.0	10
74	Electrochemical detection and removal of lead in water using poly(propylene imine) modified re-compressed exfoliated graphite electrodes. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 1389-1396.	1.5	35
75	Fluorescent Sensing of Chlorophenols in Water Using an Azo Dye Modified β -Cyclodextrin Polymer. <i>Sensors</i> , 2011, 11, 4598-4608.	2.1	27
76	β -Cyclodextrin-ionic liquid polyurethanes for the removal of organic pollutants and heavy metals from water: synthesis and characterization. <i>Journal of Polymer Research</i> , 2010, 17, 589-600.	1.2	55
77	Fe-Ni Nanoparticles supported on carbon nanotube-co-cyclodextrin polyurethanes for the removal of trichloroethylene in water. <i>Journal of Nanoparticle Research</i> , 2010, 12, 449-456.	0.8	29
78	Phenylethanoid glycosides from <i>Lippia javanica</i> . <i>South African Journal of Botany</i> , 2010, 76, 58-63.	1.2	39
79	Growth of silicon carbide nanorods from the hybrid of lignin and polysiloxane using sol-gel process and polymer blend technique. <i>Materials Letters</i> , 2009, 63, 2449-2451.	1.3	15
80	Synthesis of Silicon Carbide Nanowires from a Hybrid of Amorphous Biopolymer and Sol-Gel Derived Silica. <i>Journal of the American Ceramic Society</i> , 2009, 92, 3052-3058.	1.9	16
81	Synthesis of branched carbon nanotubes using copper catalysts in a hydrogen-filled DC arc-discharger. <i>Carbon</i> , 2009, 47, 635-644.	5.4	14
82	Monitoring the prevalence of nitrosamines in South African waters and their removal using cyclodextrin polyurethanes. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 819-824.	1.2	18
83	Removal of natural organic matter from water using ion-exchange resins and cyclodextrin polyurethanes. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 812-818.	1.2	31
84	Cyclodextrin polyurethanes polymerized with multi-walled carbon nanotubes: Synthesis and characterization. <i>Materials Chemistry and Physics</i> , 2008, 111, 218-224.	2.0	41
85	Carbon nanotubes and cyclodextrin polymers for removing organic pollutants from water. <i>Environmental Chemistry Letters</i> , 2007, 5, 13-17.	8.3	109
86	Monofunctionalized cyclodextrin polymers for the removal of organic pollutants from water. <i>Environmental Chemistry Letters</i> , 2007, 5, 79-84.	8.3	68
87	Enaminones: versatile intermediates for natural product synthesis. <i>Pure and Applied Chemistry</i> , 1999, 71, 979-988.	0.9	136
88	General Perception of Liposomes: Formation, Manufacturing and Applications. , 0, , .		24