Rui W M Krause

List of Publications by Year
in descending order

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Version: 2024-02-01

88	2,415	236612	233125
papers	citations	25 h-index	45 g-index

90	90	90	3500
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitrogen/Palladium-Codoped TiO₂for Efficient Visible Light Photocatalytic Dye Degradation. Journal of Physical Chemistry C, 2011, 115, 22110-22120.	1.5	234
2	Enaminones: versatile intermediates for natural product synthesis. Pure and Applied Chemistry, 1999, 71, 979-988.	0.9	136
3	Green synthesis of zinc oxide nanoparticles using Solanum torvum (L) leaf extract and evaluation of the toxicological profile of the ZnO nanoparticlesâ€“hydrogel composite in Wistar albino rats. International Nano Letters, 2019, 9, 99-107.	2.3	128
4	Carbon nanotubes and cyclodextrin polymers for removing organic pollutants from water. Environmental Chemistry Letters, 2007, 5, 13-17.	8.3	109
5	Preparation and characterization of polysulfone/Î²-cyclodextrin polyurethane composite nanofiltration membranes. Journal of Membrane Science, 2012, 405-406, 291-299.	4.1	104
6	Green synthesis of antimicrobial silver nanoparticles using aqueous leaf extracts from three Congolese plant species (Brillantaisia patula, Crossopteryx febrifuga and Senna siamea). Heliyon, 2020, 6, e04493.	1.4	103
7	Beneficial effects of medicinal plants in fish diseases. Aquaculture International, 2018, 26, 289-308.	1.1	83
8	Clinically established biodegradable long acting injectables: An industry perspective. Advanced Drug Delivery Reviews, 2020, 167, 19-46.	6.6	72
9	Monofunctionalized cyclodextrin polymers for the removal of organic pollutants from water. Environmental Chemistry Letters, 2007, 5, 79-84.	8.3	68
10	Cationic cyclodextrin/alginate chitosan as 5-fluorouracil drug delivery system. Materials Science and Engineering C, 2017, 70, 169-177.	3.8	68
11	Recent Trends in the Microwave-Assisted Synthesis of Metal Oxide Nanoparticles Supported on Carbon Nanotubes and Their Applications. Journal of Nanomaterials, 2012, 2012, 1-15.	1.5	66
12	Î²-Cyclodextrin-ionic liquid polyurethanes for the removal of organic pollutants and heavy metals from water: synthesis and characterization. Journal of Polymer Research, 2010, 17, 589-600.	1.2	55
13	Preparation and characterization of isoniazid-loaded crude soybean lecithin liposomes. International Journal of Pharmaceutics, 2017, 526, 466-473.	2.6	49
14	Multiwalled carbon nanotubes decorated with nitrogen, palladium co-doped TiO2 (MWCNT/N, Pd) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Nanoparticle Research, 2012, 14, 1.	0.8	48
15	Synthesis and Magnetic Properties of a Superparamagnetic Nanocomposite â€œPectin-Magnetite Nanocompositeâ€• Journal of Nanomaterials, 2013, 2013, 1-8.	1.5	46
16	Cyclodextrin polyurethanes polymerized with multi-walled carbon nanotubes: Synthesis and characterization. Materials Chemistry and Physics, 2008, 111, 218-224.	2.0	41
17	Phenylethanoid glycosides from Lippia javanica. South African Journal of Botany, 2010, 76, 58-63.	1.2	39
18	Antibacterial effects of Alchornea cordifolia (Schumach. and Thonn.) MÃ¼ll. Arg extracts and compounds on gastrointestinal, skin, respiratory and urinary tract pathogens. Journal of Ethnopharmacology, 2016, 179, 76-82.	2.0	38

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19	Electrochemical detection and removal of lead in water using poly(propylene imine) modified re-compressed exfoliated graphite electrodes. Journal of Applied Electrochemistry, 2011, 41, 1389-1396.	1.5	35
20	Antibacterial activities of plants from Central Africa used traditionally by the Bakola pygmies for treating respiratory and tuberculosis-related symptoms. Journal of Ethnopharmacology, 2014, 155, 123-131.	2.0	32
21	Removal of natural organic matter from water using ion-exchange resins and cyclodextrin polyurethanes. Physics and Chemistry of the Earth, 2009, 34, 812-818.	1.2	31
22	Encapsulation of Isoniazid-conjugated Phthalocyanine-In-Cyclodextrin-In-Liposomes Using Heating Method. Scientific Reports, 2019, 9, 11485.	1.6	31
23	Synthesis, characterization and thermal decomposition behaviour of triphenylphosphine-linked multiwalled carbon nanotubes. Carbon, 2012, 50, 2741-2751.	5.4	30
24	Feâ€“Ni Nanoparticles supported on carbon nanotube-co-cyclodextrin polyurethanes for the removal of trichloroethylene in water. Journal of Nanoparticle Research, 2010, 12, 449-456.	0.8	29
25	Fluorescent Sensing of Chlorophenols in Water Using an Azo Dye Modified Î²-Cyclodextrin Polymer. Sensors, 2011, 11, 4598-4608.	2.1	27
26	Anti-malarial synergy of secondary metabolites from Morinda lucida Benth. Journal of Ethnopharmacology, 2017, 199, 91-96.	2.0	26
27	Biological activities of plant extracts from Ficus elastica and Selaginella vogelli : An antimalarial, antitrypanosomal and cytotoxity evaluation. Saudi Journal of Biological Sciences, 2018, 25, 117-122.	1.8	26
28	General Perception of Liposomes: Formation, Manufacturing and Applications. , 0, , .		24
29	Euphorbia Diterpenes: An Update of Isolation, Structure, Pharmacological Activities and Structureâ€“Activity Relationship. Molecules, 2021, 26, 5055.	1.7	24
30	Evaluation of the simulated solar light photocatalytic activity of N, Ir co-doped TiO2 for organic dye removal from water. Applied Surface Science, 2015, 329, 127-136.	3.1	23
31	Cyclodextrin grafted calcium carbonate vaterite particles: efficient system for tailored release of hydrophobic anticancer or hormone drugs. RSC Advances, 2016, 6, 104537-104548.	1.7	22
32	Synthesis and characterization of alanine-capped water soluble copper sulphide quantum dots. Materials Letters, 2012, 75, 161-164.	1.3	21
33	The influence of solvent properties on the performance of polysulfone/Î²â€cyclodextrin polyurethane mixedâ€matrix membranes. Journal of Applied Polymer Science, 2013, 130, 2005-2014.	1.3	19
34	Secondary metabolites from Tetracera potatoria stem bark with anti-mycobacterial activity. Journal of Ethnopharmacology, 2017, 195, 238-245.	2.0	19
35	Conjugation of isoniazid to a zinc phthalocyanine via hydrazone linkage for pH-dependent liposomal controlled release. Applied Nanoscience (Switzerland), 2018, 8, 1313-1323.	1.6	19
36	Molecular Networking Reveals Two Distinct Chemotypes in Pyrroloiminoquinone-Producing Tsitsikamma favus Sponges. Marine Drugs, 2019, 17, 60.	2.2	19

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37	Flavonoids from the Genus Euphorbia: Isolation, Structure, Pharmacological Activities and Structureâ€“Activity Relationships. Pharmaceuticals, 2021, 14, 428.	1.7	19
38	Monitoring the prevalence of nitrosamines in South African waters and their removal using cyclodextrin polyurethanes. Physics and Chemistry of the Earth, 2009, 34, 819-824.	1.2	18
39	Antibacterial activity of the roots, stems and leaves of Alchornea floribunda. Journal of Ethnopharmacology, 2014, 151, 1023-1027.	2.0	18
40	Biological activity of plant extracts and isolated compounds from Alchornea laxiflora: Anti-HIV, antibacterial and cytotoxicity evaluation. South African Journal of Botany, 2019, 122, 498-503.	1.2	18
41	Comparison between Base Metals and Platinum Group Metals in Nitrogen, M Codoped TiO₂(M = Fe, Cu, Pd, Os) for Photocatalytic Removal of an Organic Dye in Water. Journal of Nanomaterials, 2014, 2014, 1-12.	1.5	17
42	Steam activation, characterisation and adsorption studies of activated carbon from maize tassels. Chemistry and Ecology, 2014, 30, 473-490.	0.6	17
43	Encapsulation and physicochemical evaluation of efavirenz in liposomes. Journal of Pharmaceutical Investigation, 2020, 50, 201-208.	2.7	17
44	A Critical Review of the Antimicrobial and Antibiofilm Activities of Green-Synthesized Plant-Based Metallic Nanoparticles. Nanomaterials, 2022, 12, 1841.	1.9	17
45	Synthesis of Silicon Carbide Nanowires from a Hybrid of Amorphous Biopolymer and Solâ€“Gelâ€Derived Silica. Journal of the American Ceramic Society, 2009, 92, 3052-3058.	1.9	16
46	Treatability and characterization of Natural Organic Matter (NOM) in South African waters using newly developed methods. Physics and Chemistry of the Earth, 2011, 36, 1159-1166.	1.2	16
47	Growth of silicon carbide nanorods from the hybrid of lignin and polysiloxane using sol-gel process and polymer blend technique. Materials Letters, 2009, 63, 2449-2451.	1.3	15
48	Copper and silver impregnated carbon nanotubes incorporated into cyclodextrin polyurethanes for the removal of bacterial and organic pollutants in water. Desalination and Water Treatment, 2011, 27, 299-307.	1.0	15
49	Synthesis of branched carbon nanotubes using copper catalysts in a hydrogen-filled DC arc-discharger. Carbon, 2009, 47, 635-644.	5.4	14
50	Detailed investigation of a Î³-cyclodextrin inclusion complex with l-thyroxine for improved pharmaceutical formulations. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 74, 397-405.	1.6	13
51	Cyclodextrinâ€dendrimer functionalized polysulfone membrane for the removal of humic acid in water. Journal of Applied Polymer Science, 2013, 130, 4428-4439.	1.3	13
52	Interactive efficacies of Elephantorrhiza elephantina and Pentanisia prunelloides extracts and isolated compounds against gastrointestinal bacteria. South African Journal of Botany, 2014, 94, 224-230.	1.2	13
53	Synthesis and antimalarial activity of N-benzylated (N-arylcarbamoyl)alkylphosphonic acid derivatives. Bioorganic and Medicinal Chemistry, 2016, 24, 6131-6138.	1.4	13
54	Anti-HIV-1 integrase potency of methylgallate from Alchornea cordifolia using in vitro and in silico approaches. Scientific Reports, 2019, 9, 4718.	1.6	13

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55	Ultrasound-Triggered Release of 5-Fluorouracil from Soy Lecithin Echogenic Liposomes. Pharmaceutics, 2021, 13, 821.	2.0	13
56	Development of pH-Sensitive Chitosan-g-poly(acrylamide-co-acrylic acid) Hydrogel for Controlled Drug Delivery of Tenofovir Disoproxil Fumarate. Polymers, 2021, 13, 3571.	2.0	13
57	Synthesis and characterization of titania based binary metal oxide nanocomposite as potential environmental photocatalysts. Materials Chemistry and Physics, 2011, 129, 406-410.	2.0	10
58	Synthesis and characterisation of generation 2 and 3 poly(propylene imine) dendrimer capped NiFe nanoalloy. Materials Letters, 2012, 68, 324-326.	1.3	10
59	A Colorimetric Probe for Dopamine Based on Gold Nanoparticles-electrospun Nanofibre Composite. Materials Today: Proceedings, 2015, 2, 4060-4069.	0.9	9
60	Blending problem-based learning and peer-led team learning, in an open ended â€˜home-grownâ€™ pharmaceutical chemistry case study. Chemistry Education Research and Practice, 2018, 19, 68-79.	1.4	9
61	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
62	Synthesis of pH Sensitive Dual Capped CdTe QDs: Their Optical Properties and Structural Morphology. Journal of Fluorescence, 2020, 30, 557-564.	1.3	9
63	Unlocking the Diversity of Pyrroloiminoquinones Produced by Latrunculid Sponge Species. Marine Drugs, 2021, 19, 68.	2.2	8
64	Review of the Traditional Uses, Phytochemistry, and Pharmacological Activities of Rhoicissus Species (Vitaceae). Molecules, 2021, 26, 2306.	1.7	8
65	Antiparasitic Constituents of Beilschmiedia louisii and Beilschmiedia obscura and Some Semisynthetic Derivatives (Lauraceae). Molecules, 2020, 25, 2862.	1.7	7
66	Cordidepsine is A Potential New Anti-HIV Depsidone from Cordia millenii, Baker. Molecules, 2019, 24, 3202.	1.7	6
67	Co-encapsulation of Rifampicin and Isoniazid in Crude Soybean Lecithin Liposomes. South African Journal of Chemistry, 2019, 72, 80-87.	0.3	6
68	Cytotoxicity, phytochemical analysis and antioxidant activity of crude extracts from rhizomes of Elephantorrhiza elephantina and Pentanisia prunelloides. African Journal of Traditional Complementary and Alternative Medicines, 2014, 11, 34-52.	0.2	6
69	A New Chalcone and Antimicrobial Chemical Constituents of Dracaena stedneuri. Pharmaceuticals, 2022, 15, 725.	1.7	6
70	A Novel Dimeric Exoglucanase (GH5_38): Biochemical and Structural Characterisation towards its Application in Alkyl Cellobioside Synthesis. Molecules, 2020, 25, 746.	1.7	5
71	Terminaliamide, a new ceramide and other phytoconstituents from the roots of Terminalia mantaly H. Perrier and their biological activities. Natural Product Research, 2021, 35, 1313-1322.	1.0	5
72	Rapid Synthesis of Thiol-Co-Capped-CdTe/CdSe/ZnSe Core Shell-Shell Nanoparticles: Their Optical and Structural Morphology. Nanomaterials, 2021, 11, 1193.	1.9	5

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73	Antiplasmodial Activity of the n-Hexane Extract from <i>Pleurotus ostreatus</i> (Jacq. ex.) Tj ETQq1 1 0.784314 rgBT /Over	0.6	5
74	Resistive Switching in CdTe/CdSe Coreâ€“Shell Quantum Dots Embedded Chitosan-Based Memory Devices. Journal of Circuits, Systems and Computers, 2022, 31, .	1.0	5
75	Catalytic Performance of Immobilized Sulfuric Acid on Silica Gel for N-Formylation of Amines with Triethyl Orthoformate. Molecules, 2022, 27, 4213.	1.7	5
76	Determination of Catechins from Elephantorrhiza elephantina and Pentanisia prunelloides using Voltammetry and UV spectroscopy. Natural Product Communications, 2014, 9, 1934578X1400900.	0.2	4
77	Synthesis of silver nanoparticles from a Desmodium adscendens extract and its antibacterial evaluation on wound dressing material. IET Nanobiotechnology, 2017, 11, 1017-1026.	1.9	4
78	Conduction and Resistive Switching in Dropcast CdTe/CdSe Core-Shell Quantum Dots Embedded Chitosan Composite. Iranian Journal of Science and Technology, Transaction A: Science, 2022, 46, 709-716.	0.7	4
79	Characterisation of natural organic matter (NOM) and its removal using cyclodextrin polyurethanes. Water S A, 2012, 35, .	0.2	3
80	Facile Synthesis of Glutathione-l-Cysteine Co-Capped CdTe Core Shell System: Study on Optical and Structural Morphology. Journal of Nanoscience and Nanotechnology, 2017, 17, 5359-5365.	0.9	3
81	Synthesis and biological evaluation of bis-N2,N2â€²-(4-hydroxycoumarin-3-yl)ethylidene]-2,3-dihydroxysuccinodihydrazides. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126911.	1.0	3
82	Compound isolation and biological activities of Piptadeniastrum africanum (hook.f.) Brennan roots. Journal of Ethnopharmacology, 2020, 255, 112716.	2.0	3
83	In vitro antibacterial and cytotoxic effects of Euphorbia grandicornis Blanc chemical constituents. BMC Complementary Medicine and Therapies, 2022, 22, 90.	1.2	3
84	Design, Manufacturing, Characterization and Evaluation of Lipid Nanocapsules to Enhance the Biopharmaceutical Properties of Efavirenz. Pharmaceutics, 2022, 14, 1318.	2.0	1
85	The crystal structure of 2-oxo-2H-chromen-4-yl acetate, C₁₁H₈O₄. Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 397-398.	0.1	0
86	Ethnobotanical survey, phytoconstituents and antibacterial investigation of Rapanea melanophloeos (L.) Mez. bark, fruit and leaf extracts. ChemistrySelect, 2023, 8, 1019-1044.	0.7	0
87	Latrunculid sponges, their microbial communities and secondary metabolites: connecting conserved bacterial symbionts to pyrroloiminoquinone production. Planta Medica, 2016, 81, S1-S381.	0.7	0
88	Bioguided isolation of antiplasmodial secondary metabolites from Persea americana Mill. (Lauraceae). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2021, .	0.6	0