

Kim Dowling

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,795
citations

394421

19
h-index

265206

42
g-index

51
all docs

51
docs citations

51
times ranked

2219
citing authors

#	ARTICLE	IF	CITATIONS
1	Microencapsulation of omega-3 fatty acids: A review of microencapsulation and characterization methods. <i>Journal of Functional Foods</i> , 2015, 19, 868-881.	3.4	195
2	Preparation, characterization and functional properties of flax seed protein isolate. <i>Food Chemistry</i> , 2016, 197, 212-220.	8.2	176
3	Co-encapsulation and characterisation of omega-3 fatty acids and probiotic bacteria in whey protein isolate-gum Arabic complex coacervates. <i>Journal of Functional Foods</i> , 2015, 19, 882-892.	3.4	153
4	Complex coacervation with whey protein isolate and gum arabic for the microencapsulation of omega-3 rich tuna oil. <i>Food and Function</i> , 2014, 5, 2743-2750.	4.6	139
5	Recent advances in the microencapsulation of omega-3 oil and probiotic bacteria through complex coacervation: A review. <i>Trends in Food Science and Technology</i> , 2018, 71, 121-131.	15.1	115
6	In-vitro digestion of probiotic bacteria and omega-3 oil co-microencapsulated in whey protein isolate-gum Arabic complex coacervates. <i>Food Chemistry</i> , 2017, 227, 129-136.	8.2	79
7	Risk of post-fire metal mobilization into surface water resources: A review. <i>Science of the Total Environment</i> , 2017, 599-600, 1740-1755.	8.0	79
8	Microencapsulation of flaxseed oil in flaxseed protein and flaxseed gum complex coacervates. <i>Food Research International</i> , 2016, 86, 1-8.	6.2	74
9	Health Effects Associated with Inhalation of Airborne Arsenic Arising from Mining Operations. <i>Geosciences (Switzerland)</i> , 2014, 4, 128-175.	2.2	71
10	Effect of extraction temperature on composition, structure and functional properties of flaxseed gum. <i>Food Chemistry</i> , 2017, 215, 333-340.	8.2	70
11	Complex coacervation between flaxseed protein isolate and flaxseed gum. <i>Food Research International</i> , 2015, 72, 91-97.	6.2	67
12	Assessment of potentially toxic metal contamination in the soils of a legacy mine site in Central Victoria, Australia. <i>Chemosphere</i> , 2018, 192, 122-132.	8.2	60
13	Arsenic microdistribution and speciation in toenail clippings of children living in a historic gold mining area. <i>Science of the Total Environment</i> , 2010, 408, 2590-2599.	8.0	55
14	Cancer incidence and soil arsenic exposure in a historical gold mining area in Victoria, Australia: A geospatial analysis. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2012, 22, 248-257.	3.9	45
15	Survival and fermentation activity of probiotic bacteria and oxidative stability of omega-3 oil in co-microcapsules during storage. <i>Journal of Functional Foods</i> , 2016, 23, 485-496.	3.4	33
16	Size-dependent characterisation of historical gold mine wastes to examine human pathways of exposure to arsenic and other potentially toxic elements. <i>Environmental Geochemistry and Health</i> , 2016, 38, 1097-1114.	3.4	24
17	Melange- and sediment-hosted gold-bearing quartz veins, Hodgkinson gold field, Queensland, Australia. <i>Economic Geology</i> , 1990, 85, 312-327.	3.8	23
18	The Unquantified Risk of Post-Fire Metal Concentration in Soil: a Review. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	23

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19	Effects of prescribed fire and post-fire rainfall on mercury mobilization and subsequent contamination assessment in a legacy mine site in Victoria, Australia. <i>Chemosphere</i> , 2018, 190, 144-153.	8.2	22
20	Influence of selected environmental factors on seed germination and seedling survival of the arid zone invasive species tobacco bush (<i>Nicotiana glauca</i> R. Graham). <i>Rangeland Journal</i> , 2016, 38, 417.	0.9	21
21	Can Copper Products and Surfaces Reduce the Spread of Infectious Microorganisms and Hospital-Acquired Infections?. <i>Materials</i> , 2021, 14, 3444.	2.9	20
22	Controlled burn and immediate mobilization of potentially toxic elements in soil, from a legacy mine site in Central Victoria, Australia. <i>Science of the Total Environment</i> , 2018, 616-617, 1022-1034.	8.0	19
23	Trace metal content in inhalable particulate matter (PM _{2.5} and PM _{2.5}) collected from historical mine waste deposits using a laboratory-based approach. <i>Environmental Geochemistry and Health</i> , 2017, 39, 549-563.	3.4	18
24	Healthy waterways and ecologically sustainable cities in <scp>Beijing&Tianjin&Hebei</scp> urban agglomeration (northern China): Challenges and future directions. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1500.	6.5	18
25	Survival, oxidative stability, and surface characteristics of spray dried co-microcapsules containing omega-3 fatty acids and probiotic bacteria. <i>Drying Technology</i> , 2016, 34, 1926-1935.	3.1	17
26	Finite Element Analysis of Rock Slope Stability Using Shear Strength Reduction Method. <i>Sustainable Civil Infrastructures</i> , 2018, , 227-235.	0.2	17
27	In vitro assessment of arsenic mobility in historical mine waste dust using simulated lung fluid. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1037-1049.	3.4	15
28	Can Optimum Solar Radiation Exposure or Supplemented Vitamin D Intake Reduce the Severity of COVID-19 Symptoms?. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 740.	2.6	15
29	Weed management for landscape scale restoration of global temperate grasslands. <i>Land Degradation and Development</i> , 2021, 32, 1090-1102.	3.9	14
30	Seasonal Changes in Arsenic Concentrations and Hydrogeochemistry of Canadian Creek, Ballarat (Victoria, Australia). <i>Water, Air, and Soil Pollution</i> , 2006, 169, 355-374.	2.4	13
31	Trace metal contamination of mineral spring water in an historical mining area in regional Victoria, Australia. <i>Journal of Asian Earth Sciences</i> , 2013, 77, 262-267.	2.3	13
32	Seed germination response of a noxious agricultural weed <i>Echium plantagineum</i> to temperature, light, pH, drought stress, salinity, heat and smoke. <i>Crop and Pasture Science</i> , 2018, 69, 326.	1.5	12
33	Influence of controlled burning on the mobility and temporal variations of potentially toxic metals (PTMs) in the soils of a legacy gold mine site in Central Victoria, Australia. <i>Geoderma</i> , 2018, 331, 1-14.	5.1	11
34	Naturally Occurring Potentially Harmful Elements in Groundwater in Makueni County, South-Eastern Kenya: Effects on Drinking Water Quality and Agriculture. <i>Geosciences (Switzerland)</i> , 2020, 10, 62.	2.2	11
35	Ongoing soil arsenic exposure of children living in an historical gold mining area in regional Victoria, Australia: Identifying risk factors associated with uptake. <i>Journal of Asian Earth Sciences</i> , 2013, 77, 256-261.	2.3	10
36	Does Climate Play Any Role in COVID-19 Spreading?â€”An Australian Perspective. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9086.	2.6	10

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37	Germination biology of three populations of <i>Navua sedge</i> (<i>Cyperus aromaticus</i>). <i>Weed Science</i> , 2021, 69, 69-81.	1.5	7
38	Assessment of Cadmium Distribution in Some Australian Krasnozems by Sequential Extraction. <i>Water, Air, and Soil Pollution</i> , 2008, 190, 157-169.	2.4	5
39	Potential fluoride exposure from selected food crops grown in high fluoride soils in the Makueni County, south-eastern Kenya. <i>Environmental Geochemistry and Health</i> , 2022, 44, 4703-4717.	3.4	5
40	Public Knowledge and Perception of Drinking Water Quality and Its Health Implications: An Example from the Makueni County, South-Eastern Kenya. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4530.	2.6	5
41	Melange- and sediment-hosted gold-bearing quartz veins, Hodgkinson gold field, Queensland, Australia; reply. <i>Economic Geology</i> , 1991, 86, 197-200.	3.8	4
42	Ecology, distribution and control of the invasive weed <i>Nassella trichotoma</i> (Nees) Hack. ex Arechav.: A global review of current and future challenges. <i>Weed Research</i> , 2020, 60, 392-405.	1.7	4
43	Arsenic and major cation hydrogeochemistry of the Central Victorian (Australia) surface waters. <i>Journal of Environmental Sciences</i> , 2006, 18, 184-92.	6.1	3
44	Modelling and Analyses of Rock Bridge Fracture and Step-Path Failure in Open-Pit Mine Rock Slope. <i>Sustainable Civil Infrastructures</i> , 2019, , 198-226.	0.2	2
45	Efficacy of halosulfuron-methyl in the management of <i>Navua sedge</i> (<i>Cyperus aromaticus</i>): differential responses of plants with and without established rhizomes. <i>Weed Technology</i> , 2022, 36, 397-402.	0.9	2
46	Conceptual Design of a Submersible Remotely Operated Swimming Dredger (SROSD)., 2011, , .		1
47	Discussions on locomotion and excavation systems of SROSD II, 2015, , .		0
48	Ensure Healthy Lives and Promote Well-Being for All At All Ages. <i>Sustainable Development Goals Series</i> , 2021, , 53-80.	0.4	0
49	Cover Image, Volume 8, Issue 2. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1515.	6.5	0
50	Analysis of a Combined Circular Toppling Slope Failure in an Open Pit. <i>Sustainable Civil Infrastructures</i> , 2019, , 10-30.	0.2	0