

Philip G Kerr

List of Publications by Year in descending order

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47
papers

1,552
citations

304602

22
h-index

315616

38
g-index

48
all docs

48
docs citations

48
times ranked

1712
citing authors

#	ARTICLE	IF	CITATIONS
1	Aquilaria spp. (agarwood) as source of health beneficial compounds: A review of traditional use, phytochemistry and pharmacology. <i>Journal of Ethnopharmacology</i> , 2016, 189, 331-360.	2.0	144
2	Periphytic biofilm: An innovative approach for biodegradation of microplastics. <i>Science of the Total Environment</i> , 2020, 717, 137064.	3.9	129
3	Basic dye adsorption onto an agro-based waste material – Sesame hull (<i>Sesamum indicum</i> L.). <i>Bioresource Technology</i> , 2011, 102, 10280-10285.	4.8	121
4	In situ bioremediation of surface waters by periphytons. <i>Bioresource Technology</i> , 2014, 151, 367-372.	4.8	117
5	Periphyton biofilms: A novel and natural biological system for the effective removal of sulphonated azo dye methyl orange by synergistic mechanism. <i>Chemosphere</i> , 2017, 167, 236-246.	4.2	70
6	Evaluating role of immobilized periphyton in bioremediation of azo dye amaranth. <i>Bioresource Technology</i> , 2017, 225, 395-401.	4.8	62
7	Optically active arsenic macrocycles. Stereospecific syntheses of enantiomers and diastereomers of 14-membered trans-As ₂ S ₂ chelating macrocycles containing resolved asymmetric tertiary arsine donors. <i>Journal of the American Chemical Society</i> , 1987, 109, 4321-4328.	6.6	54
8	The antihypertensive hydralazine is an efficient scavenger of acrolein. <i>Redox Report</i> , 2000, 5, 47-49.	1.4	54
9	Erythrocyte oxidative stress in clinical management of diabetes and its cardiovascular complications. <i>British Journal of Biomedical Science</i> , 2007, 64, 35-43.	1.2	49
10	The removal of nutrients from non-point source wastewater by a hybrid bioreactor. <i>Bioresource Technology</i> , 2011, 102, 2419-2426.	4.8	49
11	Responses of Periphyton to Fe ₂ O ₃ Nanoparticles: A Physiological and Ecological Basis for Defending Nanotoxicity. <i>Environmental Science & Technology</i> , 2017, 51, 10797-10805.	4.6	46
12	Functional sustainability of periphytic biofilms in organic matter and Cu ²⁺ removal during prolonged exposure to TiO ₂ nanoparticles. <i>Journal of Hazardous Materials</i> , 2019, 370, 4-12.	6.5	41
13	Removal of cyanobacterial bloom from a biopond – wetland system and the associated response of zoobenthic diversity. <i>Bioresource Technology</i> , 2010, 101, 3903-3908.	4.8	37
14	Olive (<i>Olea europaea</i> L.) Biophenols: A Nutraceutical against Oxidative Stress in SH-SY5Y Cells. <i>Molecules</i> , 2017, 22, 1858.	1.7	36
15	D-dimer identifies stages in the progression of diabetes mellitus from family history of diabetes to cardiovascular complications. <i>Pathology</i> , 2007, 39, 252-257.	0.3	34
16	Bioremediation of agricultural solid waste leachates with diverse species of Cu (II) and Cd (II) by periphyton. <i>Bioresource Technology</i> , 2016, 221, 214-221.	4.8	32
17	Eco-restoration: Simultaneous nutrient removal from soil and water in a complex residential – cropland area. <i>Environmental Pollution</i> , 2010, 158, 2472-2477.	3.7	31
18	Changes in the erythrocyte glutathione concentration in the course of diabetes mellitus. <i>Redox Report</i> , 2006, 11, 99-104.	1.4	29

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19	The "vitamin E regeneration system" (VERS) and an algorithm to justify antioxidant supplementation in diabetes – A hypothesis. <i>Medical Hypotheses</i> , 2008, 70, 1002-1008.	0.8	28
20	Redox zones stratification and the microbial community characteristics in a periphyton bioreactor. <i>Bioresource Technology</i> , 2016, 204, 114-121.	4.8	28
21	The decoction of Radix Astragali inhibits the growth of <i>Microcystis aeruginosa</i> . <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1006-1010.	2.9	27
22	A multi-level bioreactor to remove organic matter and metals, together with its associated bacterial diversity. <i>Bioresource Technology</i> , 2011, 102, 736-741.	4.8	24
23	Comparison of selected physico-chemical properties of calcium alginate films prepared by two different methods. <i>International Journal of Pharmaceutics</i> , 2014, 473, 259-269.	2.6	22
24	Distinguishing the roles of different extracellular polymeric substance fractions of a periphytic biofilm in defending against Fe ₂ O ₃ nanoparticle toxicity. <i>Environmental Science: Nano</i> , 2017, 4, 1682-1691.	2.2	22
25	Dual benefits of long-term ecological agricultural engineering: Mitigation of nutrient losses and improvement of soil quality. <i>Science of the Total Environment</i> , 2020, 721, 137848.	3.9	21
26	Electron transport, light energy conversion and proteomic responses of periphyton in photosynthesis under exposure to AgNPs. <i>Journal of Hazardous Materials</i> , 2021, 401, 123809.	6.5	19
27	Atherothrombosis and oxidative stress: the connection and correlation in diabetes. <i>Redox Report</i> , 2009, 14, 55-60.	1.4	17
28	Multifunctional Periphytic Biofilms: Polyethylene Degradation and Cd ²⁺ and Pb ²⁺ Bioremediation under High Methane Scenario. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5331.	1.8	17
29	The effect of periphyton on seed germination and seedling growth of rice (<i>Oryza sativa</i>) in paddy area. <i>Science of the Total Environment</i> , 2017, 578, 74-80.	3.9	15
30	Oxidative damage indices for the assessment of subclinical diabetic macrovascular complications. <i>British Journal of Biomedical Science</i> , 2008, 65, 136-141.	1.2	14
31	Interactions between periphytic biofilms and dissolved organic matter at soil-water interface and the consequent effects on soil phosphorus fraction changes. <i>Science of the Total Environment</i> , 2021, 801, 149708.	3.9	14
32	Comparative assessment of nutritional, thermal, rheological and functional properties of nine Australian lupin cultivars. <i>Scientific Reports</i> , 2021, 11, 21515.	1.6	14
33	Assessment of diabetic macrovascular complications: a prediabetes model. <i>British Journal of Biomedical Science</i> , 2010, 67, 59-66.	1.2	13
34	The remediation of extremely acidic and moderate pH soil leachates containing Cu (II) and Cd (II) by native periphytic biofilm. <i>Journal of Cleaner Production</i> , 2017, 162, 846-855.	4.6	13
35	An Investigation into the Kinetics and Mechanism of the Removal of Cyanobacteria by Extract of <i>Ephedra equisetina</i> Root. <i>PLoS ONE</i> , 2012, 7, e42285.	1.1	13
36	Myricadiol and Other Taraxerenes from <i>Scaevola spinescens</i> . <i>Planta Medica</i> , 1996, 62, 519-522.	0.7	12

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37	Antidiabetic profiling, cytotoxicity and acute toxicity evaluation of aerial parts of <i>Phragmites karka</i> (Retz.). <i>Journal of Ethnopharmacology</i> , 2021, 270, 113781.	2.0	12
38	Identification of bioactive metabolites and evaluation of in vitro anti-inflammatory and in vivo antinociceptive and antiarthritic activities of endophyte fungi isolated from <i>Elaeocarpus floribundus</i> blume. <i>Journal of Ethnopharmacology</i> , 2021, 273, 113975.	2.0	12
39	Enhanced Adsorptive Bioremediation of Heavy Metals (Cd ²⁺ , Cr ⁶⁺ , Pb ²⁺) by Methane-Oxidizing Epipelon. <i>Microorganisms</i> , 2020, 8, 505.	1.6	10
40	Enhanced periphyton biodegradation of endocrine disrupting hormones and microplastic: Intrinsic reaction mechanism, influential humic acid and microbial community structure elucidation. <i>Chemosphere</i> , 2022, 293, 133515.	4.2	10
41	Investigations of AGEs [™] inhibitory and nephroprotective potential of ursolic acid towards reduction of diabetic complications. <i>Journal of Natural Medicines</i> , 2022, 76, 490-503.	1.1	8
42	The application of soil amendments benefits to the reduction of phosphorus depletion and the growth of cabbage and corn. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16772-16780.	2.7	7
43	Comparison of the properties of periphyton attached to modified agro-waste carriers. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3718-3726.	2.7	6
44	Sustained High Nutrient Supply As an Allelopathic Trigger between Periphytic Biofilm and <i>Microcystis aeruginosa</i> . <i>Environmental Science & Technology</i> , 2017, 51, 9614-9623.	4.6	6
45	Functional sustainability of nutrient accumulation by periphytic biofilm under temperature fluctuations. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1145-1154.	1.2	5
46	Antihepatotoxic and Antioxidant Activities of Methanol Extract and Isolated Compounds from <i>Ficus Chlamydocarpa</i> . <i>Natural Product Communications</i> , 2010, 5, 1934578X1000501.	0.2	4
47	Complementing a Rural Pharmacy Course with CAM: Reflections from a Decade of Experience. <i>Pharmacy (Basel, Switzerland)</i> , 2014, 2, 88-97.	0.6	2