Philip G Kerr

List of Publications by Year
in descending order

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	Enhanced periphyton biodegradation of endocrine disrupting hormones and microplastic: Intrinsic reaction mechanism, influential humic acid and microbial community structure elucidation. Chemosphere, 2022, 293, 133515.	4.2	10
2	Investigations of AGEsâ€™ inhibitory and nephroprotective potential of ursolic acid towards reduction of diabetic complications. Journal of Natural Medicines, 2022, 76, 490-503.	1.1	8
3	Electron transport, light energy conversion and proteomic responses of periphyton in photosynthesis under exposure to AgNPs. Journal of Hazardous Materials, 2021, 401, 123809.	6.5	19
4	Functional sustainability of nutrient accumulation by periphytic biofilm under temperature fluctuations. Environmental Technology (United Kingdom), 2021, 42, 1145-1154.	1.2	5
5	Antidiabetic profiling, cytotoxicity and acute toxicity evaluation of aerial parts of Phragmites karka (Retz.). Journal of Ethnopharmacology, 2021, 270, 113781.	2.0	12
6	Identification of bioactive metabolites and evaluation of in vitro anti-inflammatory and in vivo antinociceptive and antiarthritic activities of endophyte fungi isolated from Elaeocarpus floribundus blume. Journal of Ethnopharmacology, 2021, 273, 113975.	2.0	12
7	Interactions between periphytic biofilms and dissolved organic matter at soil-water interface and the consequent effects on soil phosphorus fraction changes. Science of the Total Environment, 2021, 801, 149708.	3.9	14
8	Comparative assessment of nutritional, thermal, rheological and functional properties of nine Australian lupin cultivars. Scientific Reports, 2021, 11, 21515.	1.6	14
9	Multifunctional Periphytic Biofilms: Polyethylene Degradation and Cd2+ and Pb2+ Bioremediation under High Methane Scenario. International Journal of Molecular Sciences, 2020, 21, 5331.	1.8	17
10	Dual benefits of long-term ecological agricultural engineering: Mitigation of nutrient losses and improvement of soil quality. Science of the Total Environment, 2020, 721, 137848.	3.9	21
11	Periphytic biofilm: An innovative approach for biodegradation of microplastics. Science of the Total Environment, 2020, 717, 137064.	3.9	129
12	Enhanced Adsorptive Bioremediation of Heavy Metals (Cd2+, Cr6+, Pb2+) by Methane-Oxidizing Epipelon. Microorganisms, 2020, 8, 505.	1.6	10
13	Functional sustainability of periphytic biofilms in organic matter and Cu2+ removal during prolonged exposure to TiO2 nanoparticles. Journal of Hazardous Materials, 2019, 370, 4-12.	6.5	41
14	The remediation of extremely acidic and moderate pH soil leachates containing Cu (II) and Cd (II) by native periphytic biofilm. Journal of Cleaner Production, 2017, 162, 846-855.	4.6	13
15	Distinguishing the roles of different extracellular polymeric substance fractions of a periphytic biofilm in defending against Fe₂O₃nanoparticle toxicity. Environmental Science: Nano, 2017, 4, 1682-1691.	2.2	22
16	Evaluating role of immobilized periphyton in bioremediation of azo dye amaranth. Bioresource Technology, 2017, 225, 395-401.	4.8	62
17	Sustained High Nutrient Supply As an Allelopathic Trigger between Periphytic Biofilm and Microcystis aeruginosa. Environmental Science & Technology, 2017, 51, 9614-9623.	4.6	6
18	Responses of Periphyton to Fe₂O₃ Nanoparticles: A Physiological and Ecological Basis for Defending Nanotoxicity. Environmental Science & Technology, 2017, 51, 10797-10805.	4.6	46

#	ARTICLE	IF	CITATIONS
19	The effect of periphyton on seed germination and seedling growth of rice (Oryza sativa) in paddy area. Science of the Total Environment, 2017, 578, 74-80.	3.9	15
20	Periphyton biofilms: A novel and natural biological system for the effective removal of sulphonated azo dye methyl orange by synergistic mechanism. Chemosphere, 2017, 167, 236-246.	4.2	70
21	Olive (Olea europaea L.) Biophenols: A Nutriceutical against Oxidative Stress in SH-SY5Y Cells. Molecules, 2017, 22, 1858.	1.7	36
22	Bioremediation of agricultural solid waste leachates with diverse species of Cu (II) and Cd (II) by periphyton. Bioresource Technology, 2016, 221, 214-221.	4.8	32
23	Aquilaria spp. (agarwood) as source of health beneficial compounds: A review of traditional use, phytochemistry and pharmacology. Journal of Ethnopharmacology, 2016, 189, 331-360.	2.0	144
24	Comparison of the properties of periphyton attached to modified agro-waste carriers. Environmental Science and Pollution Research, 2016, 23, 3718-3726.	2.7	6
25	Redox zones stratification and the microbial community characteristics in a periphyton bioreactor. Bioresource Technology, 2016, 204, 114-121.	4.8	28
26	The application of soil amendments benefits to the reduction of phosphorus depletion and the growth of cabbage and corn. Environmental Science and Pollution Research, 2015, 22, 16772-16780.	2.7	7
27	Complementing a Rural Pharmacy Course with CAM: Reflections from a Decade of Experience. Pharmacy (Basel, Switzerland), 2014, 2, 88-97.	0.6	2
28	In situ bioremediation of surface waters by periphytons. Bioresource Technology, 2014, 151, 367-372.	4.8	117
29	Comparison of selected physico-chemical properties of calcium alginate films prepared by two different methods. International Journal of Pharmaceutics, 2014, 473, 259-269.	2.6	22
30	An Investigation into the Kinetics and Mechanism of the Removal of Cyanobacteria by Extract of Ephedra equisetina Root. PLoS ONE, 2012, 7, e42285.	1.1	13
31	The decoction of Radix Astragali inhibits the growth of Microcystis aeruginosa. Ecotoxicology and Environmental Safety, 2011, 74, 1006-1010.	2.9	27
32	Basic dye adsorption onto an agro-based waste material â€“ Sesame hull (Sesamum indicum L.). Bioresource Technology, 2011, 102, 10280-10285.	4.8	121
33	The removal of nutrients from non-point source wastewater by a hybrid bioreactor. Bioresource Technology, 2011, 102, 2419-2426.	4.8	49
34	A multi-level bioreactor to remove organic matter and metals, together with its associated bacterial diversity. Bioresource Technology, 2011, 102, 736-741.	4.8	24
35	Assessment of diabetic macrovascular complications: a prediabetes model. British Journal of Biomedical Science, 2010, 67, 59-66.	1.2	13
36	Eco-restoration: Simultaneous nutrient removal from soil and water in a complex residentialâ€“cropland area. Environmental Pollution, 2010, 158, 2472-2477.	3.7	31

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37	Removal of cyanobacterial bloom from a biopondâ€"wetland system and the associated response of zoobenthic diversity. Bioresource Technology, 2010, 101, 3903-3908.	4.8	37
38	Antihepatotoxic and Antioxidant Activities of Methanol Extract and Isolated Compounds from Ficus Chlamydocarpa. Natural Product Communications, 2010, 5, 1934578X1000501.	0.2	4
39	Atherothrombosis and oxidative stress: the connection and correlation in diabetes. Redox Report, 2009, 14, 55-60.	1.4	17
40	The â€˜vitamin E regeneration systemâ€™ (VERS) and an algorithm to justify antioxidant supplementation in diabetes â€" A hypothesis. Medical Hypotheses, 2008, 70, 1002-1008.	0.8	28
41	Oxidative damage indices for the assessment of subclinical diabetic macrovascular complications. British Journal of Biomedical Science, 2008, 65, 136-141.	1.2	14
42	D-dimer identifies stages in the progression of diabetes mellitus from family history of diabetes to cardiovascular complications. Pathology, 2007, 39, 252-257.	0.3	34
43	Erythrocyte oxidative stress in clinical management of diabetes and its cardiovascular complications. British Journal of Biomedical Science, 2007, 64, 35-43.	1.2	49
44	Changes in the erythrocyte glutathione concentration in the course of diabetes mellitus. Redox Report, 2006, 11, 99-104.	1.4	29
45	The antihypertensive hydralazine is an efficient scavenger of acrolein. Redox Report, 2000, 5, 47-49.	1.4	54
46	Myricadiol and Other Taraxerenes fromScaevola spinescens. Planta Medica, 1996, 62, 519-522.	0.7	12
47	Optically active arsenic macrocycles. Stereospecific syntheses of enantiomers and diastereomers of 14-membered trans-As2S2 chelating macrocycles containing resolved asymmetric tertiary arsine donors. Journal of the American Chemical Society, 1987, 109, 4321-4328.	6.6	54