Rai S Kookana

List of Publications by Citations

229 papers	12,270 citations	56 h-index	104 g-index
243 ext. papers	13,648 ext. citations	6 avg, IF	6.71 L-index

#	Paper	IF	Citations
229	Environmental fate of alkylphenols and alkylphenol ethoxylates--a review. *Environment International*, **2002**, 28, 215-26	12.9	867
228	Occurrence and fate of hormone steroids in the environment. *Environment International*, **2002**, 28, 545-51	12.9	526
227	Ionic-strength and pH effects on the sorption of cadmium and the surface charge of soils. *European Journal of Soil Science*, **1994**, 45, 419-429	3.4	424
226	A critical evaluation of nanopesticides and nanofertilizers against their conventional analogues. *Nature Nanotechnology*, **2018**, 13, 677-684	28.7	395
225	Characteristics of biochar and its application in remediation of contaminated soil. *Journal of Bioscience and Bioengineering*, **2013**, 116, 653-9	3.3	353
224	Biochar Application to Soil. *Advances in Agronomy*, **2011**, 103-143	7.7	352
223	Biological degradation of triclocarban and triclosan in a soil under aerobic and anaerobic conditions and comparison with environmental fate modelling. *Environmental Pollution*, **2007**, 150, 300-5	9.3	283
222	Reduced plant uptake of pesticides with biochar additions to soil. *Chemosphere*, **2009**, 76, 665-71	8.4	278
221	Triclosan in wastewaters and biosolids from Australian wastewater treatment plants. *Environment International*, **2007**, 33, 199-205	12.9	267
220	Sorption and degradation of selected five endocrine disrupting chemicals in aquifer material. *Water Research*, **2003**, 37, 3785-91	12.5	259
219	The nature of soil organic matter affects sorption of pesticides. 1. Relationships with carbon chemistry as determined by 13C CPMAS NMR spectroscopy. *Environmental Science & Technology*, **2001**, 35, 878-84	10.3	220
218	The role of biochar in modifying the environmental fate, bioavailability, and efficacy of pesticides in soils: a review. *Soil Research*, **2010**, 48, 627	1.8	212
217	Nanopesticides: guiding principles for regulatory evaluation of environmental risks. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 4227-40	5.7	210
216	Cadmium Sorption and Transport in Variable Charge Soils: A Review. *Journal of Environmental Quality*, **1997**, 26, 602-617	3.4	207
215	Fate and uptake of pharmaceuticals in soil-plant systems. *Journal of Agricultural and Food Chemistry* , **2014**, 62, 816-25	5.7	203
214	Sorption and desorption behaviors of diuron in soils amended with charcoal. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 8545-50	5.7	196
213	Degradation of Five Selected Endocrine-Disrupting Chemicals in Seawater and Marine Sediment. *Environmental Science & Technology*, **2003**, 37, 1256-1260	10.3	184

212	Sorption and degradation of estrogen-like-endocrine disrupting chemicals in soil. *Environmental Toxicology and Chemistry*, **2005**, 24, 2640-5	3.8	171
211	Occurrence and removal of benzotriazoles and ultraviolet filters in a municipal wastewater treatment plant. *Environmental Pollution*, **2012**, 165, 225-32	9.3	169
210	Marked changes in herbicide sorption-desorption upon ageing of biochars in soil. *Journal of Hazardous Materials*, **2012**, 231-232, 70-8	12.8	167
209	Effect of wastewater treatment plant effluent on microbial function and community structure in the sediment of a freshwater stream with variable seasonal flow. *Applied and Environmental Microbiology*, **2008**, 74, 2659-68	4.8	150
208	Pesticide fate and behaviour in Australian soils in relation to contamination and management of soil and water: a review. *Soil Research*, **1998**, 36, 715	1.8	131
207	A critical analysis of published data to discern the role of soil and sediment properties in determining sorption of per and polyfluoroalkyl substances (PFASs). *Science of the Total Environment*, **2018**, 628-629, 110-120	10.2	127
206	Biodegradation of three selected benzotriazoles under aerobic and anaerobic conditions. *Water Research*, **2011**, 45, 5005-14	12.5	120
205	Occurrence and removal of pharmaceutically active compounds in sewage treatment plants with different technologies. *Journal of Environmental Monitoring*, **2009**, 11, 1498-505		118
204	Determination of the insecticide imidacloprid in water and soil using high-performance liquid chromatography. *Journal of Chromatography A*, **1997**, 787, 271-5	4.5	110
203	Enhanced and irreversible sorption of pesticide pyrimethanil by soil amended with biochars. *Journal of Environmental Sciences*, **2010**, 22, 615-20	6.4	108
202	Occurrence and implications of estrogens and xenoestrogens in sewage effluents and receiving waters from South East Queensland. *Science of the Total Environment*, **2009**, 407, 5147-55	10.2	107
201	Simultaneous determination of benzotriazoles and ultraviolet filters in ground water, effluent and biosolid samples using gas chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2011**, 1218, 5328-35	4.5	104
200	Fate of estrogens and xenoestrogens in four sewage treatment plants with different technologies. *Environmental Toxicology and Chemistry*, **2008**, 27, 87-94	3.8	103
199	Differential sorption behaviour of aromatic hydrocarbons on charcoals prepared at different temperatures from grass and wood. *Chemosphere*, **2007**, 67, 1033-42	8.4	99
198	Potential ecological footprints of active pharmaceutical ingredients: an examination of risk factors in low-, middle- and high-income countries. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369,	5.8	98
197	Microplastics in municipal mixed-waste organic outputs induce minimal short to long-term toxicity in key terrestrial biota. *Environmental Pollution*, **2019**, 252, 522-531	9.3	91
196	TIME-DEPENDENT SORPTION OF PESTICIDES DURING TRANSPORT IN SOILS. *Soil Science*, **1992**, 154, 214-225	0.9	83
195	Persistence and effects of fenamiphos on native algal populations and enzymatic activities in soil. *Soil Biology and Biochemistry*, **1999**, 31, 1549-1553	7.5	79

194	Chemistry of chromium in soils with emphasis on tannery waste sites. *Reviews of Environmental Contamination and Toxicology*, **2003**, 178, 53-91	3.5	77
193	Uptake of Pharmaceuticals Influences Plant Development and Affects Nutrient and Hormone Homeostases. *Environmental Science & Technology*, **2015**, 49, 12509-18	10.3	76
192	Poor efficacy of herbicides in biochar-amended soils as affected by their chemistry and mode of action. *Chemosphere*, **2011**, 84, 1572-7	8.4	76
191	Emerging contaminants in a river receiving untreated wastewater from an Indian urban centre. *Science of the Total Environment*, **2019**, 647, 1256-1265	10.2	75
190	Cadmium adsorption and desorption behaviour on goethite at low equilibrium concentrations: effects of pH and index cations. *Chemosphere*, **2004**, 57, 1325-33	8.4	75
189	Ecological Risk Assessment of Nano-enabled Pesticides: A Perspective on Problem Formulation. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 6480-6486	5.7	72
188	Decay of endocrine-disrupting chemicals in aerobic and anoxic groundwater. *Water Research*, **2008**, 42, 1133-41	12.5	69
187	Atrazine and simazine degradation in Pennisetum rhizosphere. *Chemosphere*, **2004**, 56, 257-63	8.4	68
186	Fate and behaviour of triasulfuron, metsulfuron-methyl, and chlorsulfuron in the Australian soil environment: a review. *Australian Journal of Agricultural Research*, **1998**, 49, 775		67
185	Impact of Herbicides on Soil Biology and Function. *Advances in Agronomy*, **2016**, 133-220	7.7	66
184	Effect of triclosan on microbial activity in Australian soils. *Environmental Toxicology and Chemistry*, **2009**, 28, 65-70	3.8	65
183	Physical and chemical properties of biochars co-composted with biowastes and incubated with a chicken litter compost. *Chemosphere*, **2016**, 142, 14-23	8.4	64
182	Simulation of simazine transport through soil columns using time-dependent sorption data measured under flow conditions. *Journal of Contaminant Hydrology*, **1993**, 14, 93-115	3.9	64
181	Bioavailability of an organophosphorus pesticide, fenamiphos, sorbed on an organo clay. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 2653-8	5.7	62
180	Removal of carbamazepine in aqueous solutions through solar photolysis of free available chlorine. *Water Research*, **2016**, 100, 413-420	12.5	62
179	Pesticide Behavior, Fate, and Effects in the Tropics: An Overview of the Current State of Knowledge. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 3917-24	5.7	61
178	DEGRADATION RATES OF EIGHT PESTICIDES IN SURFACE AND SUBSURFACE SOILS UNDER LABORATORY AND FIELD CONDITIONS. *Soil Science*, **1998**, 163, 404-411	0.9	59
177	Triclosan: its occurrence, fate and effects in the Australian environment. *Water Science and Technology*, **2011**, 63, 598-604	2.2	58

176	Clear effects of soil organic matter chemistry, as determined by NMR spectroscopy, on the sorption of diuron. *Chemosphere*, **2008**, 70, 1153-60	8.4	58
175	Laboratory and field studies on the degradation of fipronil in a soil. *Soil Research*, **2002**, 40, 1095	1.8	58
174	Rapid multiresidue determination for currently used pesticides in agricultural drainage waters and soils using gas chromatography-mass spectrometry. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2010**, 45, 152-61	2.2	56
173	Influences of Chemical Properties, Soil Properties, and Solution pH on Soil-Water Partitioning Coefficients of Per- and Polyfluoroalkyl Substances (PFASs). *Environmental Science & Technology*, **2020**, 54, 15883-15892	10.3	56
172	Effect of soil solution composition on cadmium transport through variable charge soils. *Geoderma*, **1998**, 84, 235-248	6.7	55
171	Contrasting behaviour of chlorpyrifos and its primary metabolite, TCP (3,5,6-trichloro-2-pyridinol), with depth in soil profiles. *Soil Research*, **2003**, 41, 749	1.8	55
170	Transport and retention of bacteria and viruses in biochar-amended sand. *Science of the Total Environment*, **2016**, 548-549, 100-109	10.2	54
169	The effect of terrain and management on the spatial variability of soil properties in an apple orchard. *Catena*, **2012**, 93, 38-48	5.8	54
168	Hydrolysis of triasulfuron, metsulfuron-methyl and chlorsulfuron in alkaline soil and aqueous solutions. *Pest Management Science*, **2000**, 56, 463-471	4.6	54
167	Desorption of cadmium from goethite: effects of pH, temperature and aging. *Chemosphere*, **2006**, 64, 856-65	8.4	53
166	Biodegradation of three selected benzotriazoles in aquifer materials under aerobic and anaerobic conditions. *Journal of Contaminant Hydrology*, **2013**, 151, 131-9	3.9	52
165	Sources, presence and potential effects of contaminants of emerging concern in the marine environments of the Great Barrier Reef and Torres Strait, Australia. *Science of the Total Environment*, **2020**, 719, 135140	10.2	51
164	Oxidation of ciprofloxacin and enrofloxacin by ferrate(VI): Products identification, and toxicity evaluation. *Journal of Hazardous Materials*, **2016**, 320, 296-303	12.8	50
163	Influence of mineral characteristics on the retention of low molecular weight organic compounds: a batch sorption-desorption and ATR-FTIR study. *Journal of Colloid and Interface Science*, **2014**, 432, 246-57	9.3	50
162	Sorption of PFOA onto different laboratory materials: Filter membranes and centrifuge tubes. *Chemosphere*, **2019**, 222, 671-678	8.4	49
161	Photostability of the UV filter benzophenone-3 and its effect on the photodegradation of benzotriazole in water. *Environmental Chemistry*, **2011**, 8, 581	3.2	45
160	Field dissipation of 4-nonylphenol, 4-t-octylphenol, triclosan and bisphenol A following land application of biosolids. *Chemosphere*, **2012**, 86, 1050-8	8.4	43
159	A field-study of leaching and degradation of nine pesticides in a sandy soil. *Soil Research*, **1995**, 33, 1019	1.8	43

158	Separating the effects of organic matter-mineral interactions and organic matter chemistry on the sorption of diuron and phenanthrene. *Chemosphere*, **2008**, 72, 886-90	8.4	42
157	Sorption of pesticides in tropical and temperate soils from Australia and the Philippines. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 6420-5	5.7	42
156	Pesticide Impact Rating Index A Pesticide Risk Indicator for Water Quality. *Water, Air and Soil Pollution*, **2005**, 5, 45-65		42
155	Sorption non-equilibrium during cadmium transport through soils. *Soil Research*, **1994**, 32, 635	1.8	42
154	Selected personal care products and endocrine disruptors in biosolids: an Australia-wide survey. *Science of the Total Environment*, **2011**, 409, 1075-81	10.2	41
153	The impacts of modern-use pesticides on shrimp aquaculture: An assessment for north eastern Australia. *Ecotoxicology and Environmental Safety*, **2018**, 148, 770-780	7	41
152	The effects of organic matter-mineral interactions and organic matter chemistry on diuron sorption across a diverse range of soils. *Chemosphere*, **2015**, 119, 99-104	8.4	40
151	Biodegradation of the ultraviolet filter benzophenone-3 under different redox conditions. *Environmental Toxicology and Chemistry*, **2012**, 31, 289-95	3.8	40
150	The molecular composition of soil organic matter as determined by 13C NMR and elemental analyses and correlation with pesticide sorption. *European Journal of Soil Science*, **2006**, 57, 883-893	3.4	39
149	Opportunities and constraints for biochar technology in Australian agriculture: looking beyond carbon sequestration. *Soil Research*, **2014**, 52, 739	1.8	38
148	Degradation of 4-nonylphenol, 4-t-octylphenol, bisphenol A and triclosan following biosolids addition to soil under laboratory conditions. *Chemosphere*, **2011**, 84, 1556-62	8.4	38
147	Multiresidue determination and predicted risk assessment of contaminants of emerging concern in marine sediments from the vicinities of submarine sewage outfalls. *Marine Pollution Bulletin*, **2018**, 129, 299-307	6.7	37
146	NMR characterization of 13C-benzene sorbed to natural and prepared charcoals. *Environmental Science & Technology*, **2006**, 40, 1764-9	10.3	37
145	Sorption of fipronil and its metabolites on soils from South Australia. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2001**, 36, 545-58	2.2	37
144	Faster degradation of herbicidally-active enantiomer of imidazolinones in soils. *Chemosphere*, **2010**, 79, 1040-5	8.4	36
143	Remobilisation of silver and silver sulphide nanoparticles in soils. *Environmental Pollution*, **2014**, 193, 102-110	9.3	35
142	The Role of Transdisciplinary Approach and Community Participation in Village Scale Groundwater Management: Insights from Gujarat and Rajasthan, India. *Water (Switzerland)*, **2014**, 6, 3386-3408	3	35
141	Hydrolysis of fenamiphos and its oxidation products by a soil bacterium in pure culture, soil and water. *Applied Microbiology and Biotechnology*, **2003**, 61, 252-6	5.7	35

140	The distribution of triclosan and methyl-triclosan in marine sediments of Barker Inlet, South Australia. *Journal of Environmental Monitoring*, **2011**, 13, 801-6		34
139	Response and recovery of acetylcholinesterase activity in freshwater shrimp, Paratya australiensis (Decapoda: Atyidae) exposed to selected anti-cholinesterase insecticides. *Ecotoxicology and Environmental Safety*, **2010**, 73, 1503-10	7	33
138	Estimating the sorption of pharmaceuticals based on their pharmacological distribution. *Environmental Toxicology and Chemistry*, **2009**, 28, 2572-9	3.8	33
137	Sorption and plant uptake of pharmaceuticals from an artificially contaminated soil amended with biochars. *Plant and Soil*, **2015**, 395, 75-86	4.2	32
136	Sorption, plant uptake and metabolism of benzodiazepines. *Science of the Total Environment*, **2018**, 628-629, 18-25	10.2	32
135	Sorption of carbofuran and diuron pesticides in 43 tropical soils of Sri Lanka. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 1784-91	5.7	32
134	Aging reduces the bioavailability of even a weakly sorbed pesticide (carbaryl) in soil. *Environmental Toxicology and Chemistry*, **2004**, 23, 2084-9	3.8	32
133	Bioconcentration of triclosan and methyl-triclosan in marine mussels (Mytilus galloprovincialis) under laboratory conditions and in metropolitan waters of Gulf St Vincent, South Australia. *Marine Pollution Bulletin*, **2013**, 74, 66-72	6.7	31
132	Direct comparison between visible near- and mid-infrared spectroscopy for describing diuron sorption in soils. *Environmental Science & Technology*, **2009**, 43, 4049-55	10.3	30
131	Estimating the pollution potential of pesticides to ground water. *Soil Research*, **1994**, 32, 1141	1.8	30
130	Urbanisation and emerging economies: Issues and potential solutions for water and food security. *Science of the Total Environment*, **2020**, 732, 139057	10.2	29
129	Release behavior of triazine residues in stabilised contaminated soils. *Environmental Pollution*, **2005** , 134, 71-7	9.3	29
128	Determination of sulfonylurea herbicides in soil extracts by solid-phase extraction and capillary zone electrophoresis. *Chromatographia*, **2000**, 52, 142-146	2.1	27
127	Degradation of bifenthrin, chlorpyrifos and imidacloprid in soil and bedding materials attermiticidal application rates. *Pest Management Science*, **1999**, 55, 1222-1228		27
126	Abiotic degradation (photodegradation and hydrolysis) of imidazolinone herbicides. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2008**, 43, 105-12	2.2	26
125	Differences in sorption behaviour of carbaryl and phosalone in soils from Australia, Pakistan, and the United Kingdom. *Soil Research*, **2001**, 39, 893	1.8	26
124	The role of surface charge and pH changes in tropical soils on sorption behaviour of per- and polyfluoroalkyl substances (PFASs). *Science of the Total Environment*, **2019**, 673, 197-206	10.2	25
123	Transformation and degradation of fenamiphos nematicide and its metabolites in soils. *Soil Research*, **1997**, 35, 753	1.8	25

122	Midinfrared spectroscopy and chemometrics to predict diuron sorption coefficients in soils. *Environmental Science & Technology*, **2008**, 42, 3283-8	10.3	24
121	Behaviour of fullerenes (C60) in the terrestrial environment: potential release from biosolids-amended soils. *Journal of Hazardous Materials*, **2013**, 262, 496-503	12.8	23
120	Photolysis of benzotriazole and formation of its polymerised photoproducts in aqueous solutions under UV irradiation. *Environmental Chemistry*, **2011**, 8, 174	3.2	23
119	Persistence and leaching of sulfonylurea herbicides over a 4-year period in the highly alkaline soils of south-eastern Australia. *Australian Journal of Experimental Agriculture*, **2006**, 46, 1069		23
118	Leaching and degradation of triasulfuron, metsulfuron-methyl, and chlorsulfuron in alkaline soil profiles under field conditions. *Soil Research*, **2000**, 38, 617	1.8	23
117	Biodegradation of Simazine and Diuron Herbicides under Aerobic and Anoxic Conditions Relevant to Managed Aquifer Recharge of Storm Water. *Clean - Soil, Air, Water*, **2014**, 42, 745-752	1.6	22
116	Impact of climatic and soil conditions on environmental fate of atrazine used under plantation forestry in Australia. *Journal of Environmental Management*, **2010**, 91, 2649-56	7.9	22
115	Persistence and movement of fipronil termiticide with under-slab and trenching treatments. *Environmental Toxicology and Chemistry*, **2006**, 25, 2045-50	3.8	22
114	A METHOD FOR STUDYING NONEQUILIBRIUM SORPTION DURING TRANSPORT OF PESTICIDES IN SOIL. *Soil Science*, **1992**, 154, 344-349	0.9	22
113	Quantitative determination of fullerene (C60) in soils by high performance liquid chromatography and accelerated solvent extraction technique. *Environmental Chemistry*, **2010**, 7, 292	3.2	21
112	Improved extraction and clean-up of imidazolinone herbicides from soil solutions using different solid-phase sorbents. *Journal of Chromatography A*, **2009**, 1216, 5092-100	4.5	21
111	Sorption of a Hydrophilic Pesticide. *Soil Science Society of America Journal*, **2006**, 70, 1991-1997	2.5	21
110	Banded applications are highly effective in minimising herbicide migration from furrow-irrigated sugar cane. *Science of the Total Environment*, **2014**, 466-467, 841-8	10.2	20
109	Effects of electrolyte composition on chromium desorption in soils contaminated by tannery waste. *Soil Research*, **2001**, 39, 1077	1.8	20
108	On-line solid-phase extraction and fluorescence detection of selected endocrine disrupting chemicals in water by high-performance liquid chromatography. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2002**, 37, 225-34	2.2	20
107	Mobility and persistence of three sulfonylurea herbicides in alkaline cropping soils of south-eastern Australia. *Australian Journal of Experimental Agriculture*, **1999**, 39, 465		20
106	Environmental issues associated with coal seam gas recovery: managing the fracking boom. *Environmental Chemistry*, **2012**, 9, 425	3.2	19
105	Localisation of estrogen responsive genes in the liver and testis of Murray rainbowfish Melanotaenia fluviatilis exposed to 17beta-estradiol. *Molecular and Cellular Endocrinology*, **2009**, 303, 57-66	4.4	19

104	Organo-mineral interactions mask the true sorption potential of biochars in soils. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2009**, 44, 214-9	2.2	19
103	Land use effects on sorption of pesticides and their metabolites in sandy soils. I. Fenamiphos and two metabolites, fenamiphos sulfoxide and fenamiphos sulfone, and fenarimol and azinphos methyl. *Soil Research*, **2003**, 41, 847	1.8	19
102	Impact of (nano)formulations on the distribution and wash-off of copper pesticides and fertilisers applied on citrus leaves. *Environmental Chemistry*, **2019**, 16, 401	3.2	19
101	Degradation of Six Selected Ultraviolet Filters in Aquifer Materials Under Various Redox Conditions. *Ground Water Monitoring and Remediation*, **2013**, 33, 79-88	1.4	18
100	Prediction of atrazine sorption coefficients in soils using mid-infrared spectroscopy and partial least-squares analysis. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 3208-13	5.7	18
99	Persistence and leaching of imazethapyr and flumetsulam herbicides over a 4-year period in the highly alkaline soils of south-eastern Australia. *Australian Journal of Experimental Agriculture*, **2006**, 46, 669		18
98	Sorption of pesticides used in banana production on soils of Ecuador. *Soil Research*, **2002**, 40, 1085	1.8	18
97	Predicting partitioning of radiolabelled C-PFOA in a range of soils using diffuse reflectance infrared spectroscopy. *Science of the Total Environment*, **2019**, 686, 505-513	10.2	17
96	Sorption behaviour of per- and polyfluoroalkyl substances (PFASs) as affected by the properties of coastal estuarine sediments. *Science of the Total Environment*, **2020**, 720, 137263	10.2	17
95	The off-site transport of pesticide loads from two land uses in relation to hydrological events in the Mt. Lofty Ranges, South Australia. *Agricultural Water Management*, **2012**, 106, 70-77	5.9	17
94	Dissipation of sulfamethoxazole and trimethoprim antibiotics from manure-amended soils. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2012**, 47, 240-9	2.2	17
93	Attenuation of Two Estrogen Compounds in Aquifer Materials Supplemented with Sewage Effluent. *Ground Water Monitoring and Remediation*, **2004**, 24, 102-107	1.4	17
92	Simultaneous Determination of Imidacloprid, Thiacloprid, and Thiamethoxam in Soil and Water by High-performance Liquid Chromatography with Diode-array Detection. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2004**, 39, 737-746	2.2	17
91	Effect of organic cosolvent on adsorption and desorption of linuron and simazine in soil. *Soil Research*, **1990**, 28, 717	1.8	17
90	The effect of lipids on the sorption of diuron and phenanthrene in soils. *Chemosphere*, **2009**, 74, 1062-8	8.4	16
89	Sorption of ametryn and imazethapyr in twenty-five soils from Pakistan and Australia. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2001**, 36, 143-60	2.2	16
88	Photolysis of the antidepressants amisulpride and desipramine in wastewaters: Identification of transformation products formed and their fate. *Science of the Total Environment*, **2015**, 530-531, 434-444	10.2	15
87	Fullerol as a Potential Pathway for Mineralization of Fullerene Nanoparticles in Biosolid-Amended Soils. *Environmental Science and Technology Letters*, **2016**, 3, 7-12	11	15

86	Off-site transport of pesticides from two horticultural land uses in the Mt. Lofty Ranges, South Australia. *Agricultural Water Management*, **2012**, 106, 60-69	5.9	15
85	The use of multiple tracers for tracking wastewater discharges in freshwater systems. *Environmental Monitoring and Assessment*, **2013**, 185, 9321-32	3.1	15
84	The effect of landuse on soil organic carbon chemistry and sorption of pesticides and metabolites. *Chemosphere*, **2005**, 60, 531-41	8.4	15
83	Organomineral Interactions and Herbicide Sorption in Brazilian Tropical and Subtropical Oxisols under No-Tillage. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 3925-34	5.7	14
82	Bioactivity of POPs and their effects in mosquitofish in Sydney Olympic Park, Australia. *Science of the Total Environment*, **2009**, 407, 3721-30	10.2	14
81	Isotopic exchangeability as a measure of the available fraction of the human pharmaceutical carbamazepine in river sediment. *Science of the Total Environment*, **2010**, 408, 3689-95	10.2	14
80	Land use effects on sorption of pesticides and their metabolites in sandy soils. II. Atrazine and two metabolites, deethylatrazine and deisopropylatrazine, and prometryne. *Soil Research*, **2003**, 41, 861	1.8	14
79	Retention and release of diquat and paraquat herbicides in soils. *Soil Research*, **1993**, 31, 97	1.8	14
78	Aqueous chlorination of benzodiazepines diazepam and oxazepam: Kinetics, transformation products and reaction pathways. *Chemical Engineering Journal*, **2018**, 354, 1100-1109	14.7	13
77	Comparison of degradation between indigenous and spiked bisphenol A and triclosan in a biosolids amended soil. *Science of the Total Environment*, **2013**, 447, 56-63	10.2	13
76	Off-site transport of pesticides in dissolved and particulate forms from two land uses in the Mt. Lofty Ranges, South Australia. *Agricultural Water Management*, **2012**, 106, 78-85	5.9	13
75	Minimising off-site movement of contaminants in furrow irrigation using polyacrylamide (PAM). I. Pesticides. *Soil Research*, **2006**, 44, 551	1.8	13
74	Pesticide fate in farming systems: Research and monitoring. *Communications in Soil Science and Plant Analysis*, **2000**, 31, 1641-1659	1.5	13
73	Crop damage caused by residual acetolactate synthase herbicides in the soils of south-eastern Australia. *Australian Journal of Experimental Agriculture*, **2006**, 46, 1323		13
72	Spatial distribution of perfluoroalkyl substances in surface sediments of five major rivers in China. *Archives of Environmental Contamination and Toxicology*, **2015**, 68, 566-76	3.2	12
71	Groundwater scarcity impact on inclusiveness and women empowerment: Insights from school absenteeism of female students in two watersheds in India. *International Journal of Inclusive Education*, **2016**, 20, 1155-1171	1.5	12
70	Effect of triclosan and triclocarban biocides on biodegradation of estrogens in soils. *Chemosphere*, **2009**, 77, 1381-6	8.4	12
69	Can aquatic distribution of human pharmaceuticals be related to pharmacological data?. *Chemosphere*, **2006**, 65, 2253-9	8.4	12

68	Minimising off-site movement of contaminants in furrow irrigation using polyacrylamide (PAM). II. Phosphorus, nitrogen, carbon, and sediment. *Soil Research*, **2006**, 44, 561	1.8	12
67	Sequestration and potential release of PFAS from spent engineered sorbents. *Science of the Total Environment*, **2021**, 765, 142770	10.2	12
66	Using the power of C-13 NMR to interpret infrared spectra of soil organic matter: A two-dimensional correlation spectroscopy approach. *Vibrational Spectroscopy*, **2013**, 66, 76-82	2.1	11
65	Measuring sorption of hydrophilic organic compounds in soils by an unsaturated transient flow method. *Journal of Environmental Quality*, **2005**, 34, 1045-54	3.4	11
64	Sorption behaviour of per- and polyfluoroalkyl substances (PFASs) in tropical soils. *Environmental Pollution*, **2020**, 258, 113726	9.3	11
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