

# Po-Neng Chiang

## List of Publications by Year in descending order

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33  
papers

834  
citations

516215

16  
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476904

29  
g-index

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34  
docs citations

34  
times ranked

1215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of 2-Chlorophenol from Aqueous Solution by Mg/Al Layered Double Hydroxide (LDH) and Modified LDH. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 3813-3819.	1.8	111
2	p-Nitrophenol, phenol and aniline sorption by organo-clays. <i>Journal of Hazardous Materials</i> , 2007, 149, 275-282.	6.5	78
3	Arsenate Sorption on Lithium/Aluminum Layered Double Hydroxide Intercalated by Chloride and on Gibbsite: A Sorption Isotherms, Envelopes, and Spectroscopic Studies. <i>Environmental Science &amp; Technology</i> , 2006, 40, 7784-7789.	4.6	63
4	Effects of cadmium amendments on low-molecular-weight organic acid exudates in rhizosphere soils of tobacco and sunflower. <i>Environmental Toxicology</i> , 2006, 21, 479-488.	2.1	58
5	Chemical and physical properties of rhizosphere and bulk soils of three tea plants cultivated in Ultisols. <i>Geoderma</i> , 2006, 136, 378-387.	2.3	49
6	Comparison and characterization of chemical surfactants and bio-surfactants intercalated with layered double hydroxides (LDHs) for removing naphthalene from contaminated aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 366, 170-177.	2.3	47
7	Low-Molecular-Weight Organic Acids Exuded by Millet ( <i>Setaria italica</i> (L.) Beauv.) Roots and Their Effect on the Remediation of Cadmium-Contaminated Soil. <i>Soil Science</i> , 2011, 176, 33-38.	0.9	44
8	Cesium and strontium sorption by selected tropical and subtropical soils around nuclear facilities. <i>Journal of Environmental Radioactivity</i> , 2010, 101, 472-481.	0.9	35
9	Reclamation of zinc-contaminated soil using a dissolved organic carbon solution prepared using liquid fertilizer from food-waste composting. <i>Journal of Hazardous Materials</i> , 2016, 301, 100-105.	6.5	35
10	Integrated xylitol production by fermentation of hardwood wastes. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 534-540.	1.6	34
11	Sorption of chlorophenoxy propionic acids by organoclay complexes. <i>Environmental Toxicology</i> , 2006, 21, 71-79.	2.1	33
12	Changes in the grassland-forest boundary at Ta-Ta-Chia long term ecological research (LTER) site detected by stable isotope ratios of soil organic matter. <i>Chemosphere</i> , 2004, 54, 217-224.	4.2	29
13	Mechanistic study of arsenate adsorption on lithium/aluminum layered double hydroxide. <i>Applied Clay Science</i> , 2010, 48, 485-491.	2.6	28
14	Effects of low molecular weight organic acids on <sup>137</sup> Cs release from contaminated soils. <i>Applied Radiation and Isotopes</i> , 2011, 69, 844-851.	0.7	28
15	Adsorption mechanisms of chromate and phosphate on hydrotalcite: A combination of macroscopic and spectroscopic studies. <i>Environmental Pollution</i> , 2019, 247, 180-187.	3.7	27
16	LOW-MOLECULAR-WEIGHT ORGANIC ACID EXUDATION OF RAPE ( <i>BRASSICA CAMPESTRIS</i> ) ROOTS IN CESIUM-CONTAMINATED SOILS. <i>Soil Science</i> , 2005, 170, 726-733.	0.9	17
17	Use 3-D tomography to reveal structural modification of bentonite-enriched clay by nonionic surfactants: Application of organo-clay composites to detoxify aflatoxin B1 in chickens. <i>Journal of Hazardous Materials</i> , 2019, 375, 312-319.	6.5	16
18	Mineralogy and occurrence of glauconite in central Taiwan. <i>Applied Clay Science</i> , 2008, 42, 74-80.	2.6	15

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19	The impacts of thinning on the fruiting of saprophytic fungi in <i>Cryptomeria japonica</i> plantations in central Taiwan. <i>Forest Ecology and Management</i> , 2015, 336, 183-193.	1.4	15
20	Effects of long-term paddy rice cultivation on soil arsenic speciation. <i>Journal of Environmental Management</i> , 2020, 254, 109768.	3.8	14
21	Preferential phosphate sorption and Al substitution on goethite. <i>Environmental Science: Nano</i> , 2020, 7, 3497-3508.	2.2	11
22	Characterization of wheat-rice-stone developed from porphyritic hornblende andesite. <i>Applied Clay Science</i> , 2003, 23, 337-346.	2.6	10
23	Origin and Mineralogy of Sepiolite and Palygorskite From the Tuluanshan Formation, Eastern Taiwan. <i>Clays and Clay Minerals</i> , 2009, 57, 521-530.	0.6	7
24	Kinetics of radiocesium released from contaminated soil by fertilizer solutions. <i>Journal of Environmental Radioactivity</i> , 2008, 99, 159-166.	0.9	6
25	High Rainfall Inhibited Soil Respiration in an Asian Monsoon Forest in Taiwan. <i>Forests</i> , 2021, 12, 239.	0.9	5
26	CLAY MINERALOGY AND MAJOR ELEMENT CHEMISTRY OF THE EARLY QUATERNARY AND LATE MIOCENE PALEOSOLS ON PENGHU ISLANDS (PESCADORES), TAIWAN. <i>Soil Science</i> , 2007, 172, 486-498.	0.9	4
27	Risk management in suburban forest recreation areas: A retrospective analysis of illness cases. <i>Urban Forestry and Urban Greening</i> , 2020, 53, 126710.	2.3	4
28	SOIL ORGANIC MATTER AND SOIL PHYSICOCHEMICAL PROPERTIES ASSOCIATED WITH FOREST FIRES IN CENTRAL TAIWAN. <i>Soil Science</i> , 2008, 173, 768-778.	0.9	3
29	Evaluating relationships of standing stock, LAI and NDVI at a subtropical reforestation site in southern Taiwan using field and satellite data. <i>Journal of Forest Research</i> , 2020, 25, 250-259.	0.7	3
30	Soil Respiration Variation among Four Tree Species at Young Afforested Sites under the Influence of Frequent Typhoon Occurrences. <i>Forests</i> , 2021, 12, 787.	0.9	2
31	Inhibitory effects and mechanisms of low-molecular-mass organic acids (LMMOAs) toward Cr(III) oxidation. <i>Journal of Cleaner Production</i> , 2021, 313, 127726.	4.6	2
32	Carbon Dioxide Fluxes of a Young Deciduous Afforestation Under the Influence of Seasonal Precipitation Patterns and Frequent Typhoon Occurrence. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005996.	1.3	1
33	Seasonal and spatial variation in soil respiration in afforested sugarcane fields on Entisols, Taiwan. <i>Geoderma Regional</i> , 2021, 26, e00421.	0.9	0