Jiin-Shuh Jean

List of Publications by Year
in descending order

109 papers	5,323 citations	87723 38 h-index	91712 69 g-index
114 all docs	114 docs citations	114 times ranked	6340 citing authors

#	Article	IF	Citations
1	Linkage of sulfur isotopic enrichment to sulfur and arsenic release in the coastal aquifers of southwestern Taiwan. Journal of Geochemical Exploration, 2019, 205, 106342.	1.5	3
2	Micro-colonization of arsenic-resistant Staphylococcus sp. As-3 on arsenopyrite (FeAsS) drives arsenic mobilization under anoxic sub-surface mimicking conditions. Science of the Total Environment, 2019, 669, 527-539.	3.9	20
3	The whole genome insight on condition-specific redox activity and arsenopyrite interaction promoting As-mobilization by strain Lysinibacillus sp. B2A1. Journal of Hazardous Materials, 2019, 364, 671-681.	6.5	15
4	The multi-mechanisms and interlayer configurations of metoprolol uptake on montmorillonite. Chemical Engineering Journal, 2019, 360, 325-333.	6.6	13
5	YARG: A repository for arsenic-related genes in yeast. PLoS ONE, 2018, 13, e0201204.	1.1	7
6	Difference in attenuation among Mn, As, and Fe in riverbed sediments. Journal of Hazardous Materials, 2018, 341, 277-289.	6.5	8
7	Investigation of intercalation of diphenhydramine into the interlayer of smectite by XRD, FTIR, TG-DTG analyses and molecular simulation. Arabian Journal of Chemistry, 2017, 10, 855-861.	2.3	10
8	Arsenic-enrichment enhanced root exudates and altered rhizosphere microbial communities and activities in hyperaccumulator Pteris vittata. Journal of Hazardous Materials, 2017, 325, 279-287.	6.5	102
9	Irrigation Practices on Rice Crop Production in Arsenicâ€Rich Paddy Soil. Crop Science, 2016, 56, 422-431.	0.8	19
10	Influence of Supercritical CO2 on the Mobility and Desorption of Trace Elements from CO2 Storage Rock Sandstone and Caprock Shale in a Potential CO2 Sequestration Site in Taiwan. Aerosol and Air Quality Research, 2016, 16, 1730-1741.	0.9	4
11	Hydrogeochemistry of Groundwater and Arsenic Adsorption Characteristics of Subsurface Sediments in an Alluvial Plain, SW Taiwan. Sustainability, 2016, 8, 1305.	1.6	7
12	Amitriptyline removal using palygorskite clay. Chemosphere, 2016, 155, 292-299.	4.2	33
13	Hydrochemistry of hot springs in geothermal fields of central, northern, and northeastern Taiwan: implication on occurrence and enrichment of arsenic. Environmental Earth Sciences, 2016, 75, 1.	1.3	3
14	Distribution and hosts of arsenic in a sediment core from the Chianan Plain in SW Taiwan: Implications on arsenic primary source and release mechanisms. Science of the Total Environment, 2016, 569-570, 212-222.	3.9	19
15	Association between arsenic and different-sized dissolved organic matter in the groundwater of black-foot disease area, Taiwan. Chemosphere, 2016, 159, 214-220.	4.2	24
16	Effects of microbially induced transformations and shift in bacterial community on arsenic mobility in arsenic-rich deep aquifer sediments. Journal of Hazardous Materials, 2016, 310, 11-19.	6.5	32
17	Inhibition of ethylenediaminetetraacetic acid ferric sodium salt (EDTA-Fe) and calcium peroxide (CaO2) on arsenic uptake by vegetables in arsenic-rich agricultural soil. Journal of Geochemical Exploration, 2016, 163, 19-27.	1.5	23
18	Water management impacts on arsenic behavior and rhizosphere bacterial communities and activities in a rice agro-ecosystem. Science of the Total Environment, 2016, 542, 642-652.	3.9	123

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19	Interaction of ciprofloxacin and probe compounds with palygorskite PFl-1. Journal of Hazardous Materials, 2016, 303, 55-63.	6.5	37
20	Arsenite-oxidizing bacteria exhibiting plant growth promoting traits isolated from the rhizosphere of Oryza sativa L.: Implications for mitigation of arsenic contamination in paddies. Journal of Hazardous Materials, 2016, 302, 10-18.	6.5	76
21	Dissimilatory Arsenate Reduction and In Situ Microbial Activities and Diversity in Arsenic-rich Groundwater of Chianan Plain, Southwestern Taiwan. Microbial Ecology, 2016, 71, 365-374.	1.4	31
22	Ionic-liquid-crafted zeolite for the removal of anionic dye methyl orange. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 237-243.	2.7	29
23	Experimental investigation of trace element dissolution in formation water in the presence of supercritical CO2 fluid for a potential geological storage site of CO2 in Taiwan. Journal of Natural Gas Science and Engineering, 2015, 23, 304-314.	2.1	20
24	Mechanism of amitriptyline adsorption on Ca-montmorillonite (SAz-2). Journal of Hazardous Materials, 2014, 277, 44-52.	6.5	39
25	Desorption of tetracycline from montmorillonite by aluminum, calcium, and sodium: an indication of intercalation stability. International Journal of Environmental Science and Technology, 2014, 11, 633-644.	1.8	36
26	Screening of plant growth-promoting traits in arsenic-resistant bacteria isolated from agricultural soil and their potential implication for arsenic bioremediation. Journal of Hazardous Materials, 2014, 272, 112-120.	6.5	85
27	Spatial variation of groundwater arsenic distribution in the Chianan Plain, SW Taiwan: Role of local hydrogeological factors and geothermal sources. Journal of Hydrology, 2014, 518, 393-409.	2.3	29
28	The production of biofuel and bioelectricity associated with wastewater treatment by green algae. Energy, 2014, 78, 94-103.	4.5	56
29	Distribution and Accumulation of Arsenic in Rice Plants Grown in Arsenicâ€Rich Agricultural Soil. Agronomy Journal, 2014, 106, 945-951.	0.9	16
30	Vertical geochemical variations and arsenic mobilization in the shallow alluvial aquifers of the Chapai-Nawabganj District, northwestern Bangladesh: implication of siderite precipitation. Environmental Earth Sciences, 2013, 68, 1255-1270.	1.3	8
31	Naturally occurring arsenic in terrestrial geothermal systems of western Anatolia, Turkey: Potential role in contamination of freshwater resources. Journal of Hazardous Materials, 2013, 262, 951-959.	6.5	69
32	Effect of arsenic contamination on bacterial and fungal biomass and enzyme activities in tropical arsenic-contaminated soils. Biology and Fertility of Soils, 2013, 49, 757-765.	2.3	45
33	Changes in Bacterial Community Structure and Abundance in Agricultural Soils under Varying Levels of Arsenic Contamination. Geomicrobiology Journal, 2013, 30, 635-644.	1.0	27
34	The geochemical characteristics of the mud liquids in the Wushanting and Hsiaokunshui Mud Volcano region in southern Taiwan: Implications of humic substances for binding and mobilization of arsenic. Journal of Geochemical Exploration, 2013, 128, 62-71.	1.5	22
35	Evaluation of remediation process with soapberry derived saponin for removal of heavy metals from contaminated soils in Hai-Pu, Taiwan. Journal of Environmental Sciences, 2013, 25, 1180-1185.	3.2	32
36	Removal of ciprofloxacin from water by birnessite. Journal of Hazardous Materials, 2013, 250-251, 362-369.	6.5	121

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37	Depth-resolved abundance and diversity of arsenite-oxidizing bacteria in the groundwater of Beimen, a blackfoot disease endemic area of southwestern Taiwan. Water Research, 2013, 47, 6983-6991.	5.3	16
38	Bioaccessibility and health risk assessment of arsenic in arsenic-enriched soils, Central India. Ecotoxicology and Environmental Safety, 2013, 92, 252-257.	2.9	56
39	Characterisation of organic matter associated with groundwater arsenic in reducing aquifers of southwestern Taiwan. Journal of Hazardous Materials, 2013, 262, 970-979.	6.5	32
40	Linking geochemical processes in mud volcanoes with arsenic mobilization driven by organic matter. Journal of Hazardous Materials, 2013, 262, 980-988.	6.5	16
41	Arsenic ecotoxicology: The interface between geosphere, hydrosphere and biosphere. Journal of Hazardous Materials, 2013, 262, 883-886.	6.5	18
42	Identification and discrimination of bacteria using Fourier transform infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 478-484.	2.0	46
43	Arsenic in the waterâ€“soilâ€“plant system and the potential health risks in the coastal part of Chianan Plain, Southwestern Taiwan. Journal of Asian Earth Sciences, 2013, 77, 295-302.	1.0	40
44	Arsenic-induced health crisis in peri-urban Moyna and Ardebok villages, West Bengal, India: an exposure assessment study. Environmental Geochemistry and Health, 2012, 34, 563-574.	1.8	66
45	The binding nature of humic substances with arsenic in alluvial aquifers of Chianan Plain, southwestern Taiwan. Journal of Geochemical Exploration, 2012, 114, 98-108.	1.5	12
46	Adsorption of tetracycline on 2:1 layered non-swelling clay mineral illite. Applied Clay Science, 2012, 67-68, 158-163.	2.6	148
47	Vertical distribution and mobilization of arsenic in shallow alluvial aquifers of Chapai-Nawabganj district, Northwestern Bangladesh. Journal of the Geological Society of India, 2012, 80, 531-538.	0.5	10
48	Geochemical characteristics of the mud volcano fluids in southwestern Taiwan and their possible linkage to elevated arsenic concentration in Chianan plain groundwater. Environmental Earth Sciences, 2012, 66, 1513-1523.	1.3	10
49	One century of arsenic exposure in Latin America: A review of history and occurrence from 14 countries. Science of the Total Environment, 2012, 429, 2-35.	3.9	414
50	Arsenic in the human food chain: the Latin American perspective. Science of the Total Environment, 2012, 429, 92-106.	3.9	147
51	Visible light response of Ag+/TiO2â€“Ti2O3 prepared by photodeposition under foam fractionation. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 236, 1-8.	2.0	24
52	Role of organic matter and humic substances in the binding and mobility of arsenic in a Gangetic aquifer. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1231-1238.	0.9	35
53	Foreword. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1161-1162.	0.9	0
54	Health risks for human intake of aquacultural fish: Arsenic bioaccumulation and contamination. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1266-1273.	0.9	66

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55	Geochemical characterization of arsenic-affected alluvial aquifers of the Bengal Delta (West Bengal) Tj ETQq1 1 0.784314 rgBT /Overl Geochemistry, 2011, 26, 705-713.	1.4	42
56	Mechanism of chlorpheniramine adsorption on Ca-montmorillonite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 385, 213-218.	2.3	42
57	Combination of hydrous iron oxide precipitation with zeolite filtration to remove arsenic from contaminated water. Desalination, 2011, 280, 203-207.	4.0	16
58	Microbial fuel cell of Enterobacter cloacae: Effect of anodic pH microenvironment on current, power density, internal resistance and electrochemical losses. International Journal of Hydrogen Energy, 2011, 36, 11093-11101.	3.8	39
59	Mechanism of acridine orange removal from water by low-charge swelling clays. Chemical Engineering Journal, 2011, 174, 603-611.	6.6	30
60	A comparative study on arsenic and humic substances in alluvial aquifers of Bengal delta plain (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 mobilization mechanisms. Environmental Geochemistry and Health, 2011, 33, 235-258.	1.8	29
61	Kinetics and mechanism of arsenate removal by nanosized iron oxide-coated perlite. Journal of Hazardous Materials, 2011, 187, 89-95.	6.5	57
62	Removal of arsenic from water using Fe-exchanged natural zeolite. Journal of Hazardous Materials, 2011, 187, 318-323.	6.5	96
63	Mechanism of methylene blue removal from water by swelling clays. Chemical Engineering Journal, 2011, 168, 1193-1200.	6.6	105
64	Interrelationship of TOC, As, Fe, Mn, Al and Si in shallow alluvial aquifers in Chapai-Nawabganj, Northwestern Bangladesh: implication for potential source of organic carbon. Environmental Earth Sciences, 2011, 63, 955-967.	1.3	9
65	Characterization on arsenic sorption and mobility of the sediments of Chia-Nan Plain, where Blackfoot disease occurred. Environmental Earth Sciences, 2011, 64, 823-831.	1.3	20
66	Glycerol degradation in single-chamber microbial fuel cells. Bioresource Technology, 2011, 102, 2629-2634.	4.8	79
67	Removal of diphenhydramine from water by swelling clay minerals. Journal of Colloid and Interface Science, 2011, 360, 227-232.	5.0	37
68	Arsenic-enriched groundwaters of India, Bangladesh and Taiwanâ€"Comparison of hydrochemical characteristics and mobility constraints. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1163-1176.	0.9	29
69	Arsenic removal from groundwater of the Chaco-Pampean Plain (Argentina) using natural geological materials as adsorbents. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1297-1310.	0.9	54
70	Biogeochemical interactions among the arsenic, iron, humic substances, and microbes in mud volcanoes in southern Taiwan. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1218-1230.	0.9	14
71	Biogeochemical characteristics of Kuan-Tzu-Ling, Chung-Lun and Bao-Lai hot springs in southern Taiwan. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1207-1217.	0.9	26
72	The potential for reductive mobilization of arsenic [As(V) to As(III)] by OSBH₂(Pseudomonas stutzeri) and OSBH₅(Bacillus cereus) in an oil-contaminated site. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1239-1246.	0.9	40

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73	Biodegradation of benzene by pure and mixed cultures of Bacillus spp.. World Journal of Microbiology and Biotechnology, 2010, 26, 1557-1567.	1.7	26
74	Interaction between tetracycline and smectite in aqueous solution. Journal of Colloid and Interface Science, 2010, 341, 311-319.	5.0	177
75	Cation exchange interaction between antibiotic ciprofloxacin and montmorillonite. Journal of Hazardous Materials, 2010, 183, 309-314.	6.5	170
76	Biological Synthesis of Gold and Silver Nanoparticles Mediated by the Bacteria Bacillus Subtilis. Journal of Nanoscience and Nanotechnology, 2010, 10, 6567-6574.	0.9	126
77	Adsorption and desorption properties of arsenate onto nano-sized iron-oxide-coated quartz. Water Science and Technology, 2010, 62, 378-386.	1.2	28
78	Occurrence of arsenic in core sediments and groundwater in the Chapai-Nawabganj District, northwestern Bangladesh. Water Research, 2010, 44, 2021-2037.	5.3	97
79	Implications of organic matter on arsenic mobilization into groundwater: Evidence from northwestern (Chapai-Nawabganj), central (Manikganj) and southeastern (Chandpur) Bangladesh. Water Research, 2010, 44, 5556-5574.	5.3	71
80	Sources and controls for the mobility of arsenic in oxidizing groundwaters from loess-type sediments in arid/semi-arid dry climates â€“ Evidence from the Chacoâ€“Pampean plain (Argentina). Water Research, 2010, 44, 5589-5604.	5.3	88
81	Groundwater arsenic: From genesis to sustainable remediation. Water Research, 2010, 44, 5511.	5.3	8
82	Arsenic enrichment and mobilization in the Holocene alluvial aquifers of the Chapai-Nawabganj district, Bangladesh: A geochemical and statistical study. Applied Geochemistry, 2010, 25, 1280-1289.	1.4	30
83	Arsenic-enriched aquifers: Occurrences and mobilization of arsenic in groundwater of Ganges Delta Plain, Barasat, West Bengal, India. Applied Geochemistry, 2010, 25, 1805-1814.	1.4	85
84	Synthesis of Gold Nanoparticles via an Environmentally Benign Route Using a Biosurfactant. Journal of Nanoscience and Nanotechnology, 2009, 9, 6693-6699.	0.9	42
85	Synthesis of silver nanoparticles using surfactin: A biosurfactant as stabilizing agent. Materials Letters, 2009, 63, 1227-1230.	1.3	101
86	Effects of gamma irradiation on edible seed protein, amino acids and genomic DNA during sterilization. Food Chemistry, 2009, 114, 1237-1244.	4.2	54
87	Sorptive removal of tetracycline from water by palygorskite. Journal of Hazardous Materials, 2009, 165, 148-155.	6.5	240
88	Stable and high energy generation by a strain of Bacillus subtilis in a microbial fuel cell. Journal of Power Sources, 2009, 190, 258-263.	4.0	154
89	Mechanism of tetracycline sorption on rectorite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 339, 94-99.	2.3	124
90	Adsorption and intercalation of tetracycline by swelling clay minerals. Applied Clay Science, 2009, 46, 27-36.	2.6	154

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91	Geochemical characteristics of the fluids and muds from two southern Taiwan mud volcanoes: Implications for waterâ€“sediment interaction and groundwater arsenic enrichment. Applied Geochemistry, 2009, 24, 1793-1802.	1.4	38
92	Effects of inorganic nutrient levels on the biodegradation of benzene, toluene, and xylene (BTX) by Pseudomonas spp. in a laboratory porous media sand aquifer model. Bioresource Technology, 2008, 99, 7807-7815.	4.8	43
93	Geochemistry of high arsenic groundwater in Chia-Nan plain, Southwestern Taiwan: Possible sources and reactive transport of arsenic. Journal of Contaminant Hydrology, 2008, 99, 85-96.	1.6	85
94	Potential Antifreeze Compounds in Present-Day Martian Seepage Groundwater. Terrestrial, Atmospheric and Oceanic Sciences, 2008, 19, 279.	0.3	2
95	Reactive transport of trace elements and isotopes in the Eutaw coastal plain aquifer, Alabama. Journal of Geophysical Research, 2007, 112, .	3.3	20
96	The interaction between a manmade lake and groundwater: an example site in the Aurku area, Chiayi County, Taiwan. Hydrological Processes, 2007, 21, 647-657.	1.1	0
97	The association between rainfall rate and occurrence of an enterovirus epidemic due to a contaminated well. Journal of Applied Microbiology, 2006, 101, 1224-1231.	1.4	36
98	Variations in Tectonic Activities of the Central and Southwestern Foothills, Taiwan, Inferred from River Hack Profiles. Terrestrial, Atmospheric and Oceanic Sciences, 2006, 17, 563.	0.3	25
99	Bacterial Activity and Their Physiological Characteristics in the Sediments of O DP Holes 1202A and 1202D, Okinawa Trough, Western Pacific. Terrestrial, Atmospheric and Oceanic Sciences, 2005, 16, 113.	0.3	5
100	Comparative endoscopic and SEM analyses and imaging for biofilm growth on porous quartz sand. Biogeochemistry, 2004, 70, 427-445.	1.7	9
101	Huge rock eruption caused by the 1999 Chi-Chi earthquake in Taiwan. Geophysical Research Letters, 2003, 30, .	1.5	4
102	Biodegradation and transport of benzene, toluene, and xylenes in a simulated aquifer: comparison of modelled and experimental results. Hydrological Processes, 2002, 16, 3151-3168.	1.1	26
103	Role of fluids in surface deformation caused by the 1999 Chi-Chi earthquake in Taiwan. Earth Surface Processes and Landforms, 2002, 27, 1-10.	1.2	0
104	Stone cover and slope factors influencing hillside surface runoff and infiltration: laboratory investigation. Hydrological Processes, 2000, 14, 1829-1849.	1.1	17
105	Reply to comments by P. Gale and others on "Outbreak of enteroviruses and groundwater contamination in Taiwan: Concept of biomedical hydrogeology" (Jean 1999). Hydrogeology Journal, 2000, 8, 0350-0353.	0.9	2
106	Outbreak of enteroviruses and groundwater contamination in Taiwan: Concept of biomedical hydrogeology. Hydrogeology Journal, 1999, 7, 339-340.	0.9	16
107	Laboratory simulation of water-resources conservation by means of the layout of a series of ponds along a streambank. Hydrogeology Journal, 1998, 6, 233-242.	0.9	3
108	Pumping testing using a siphon well. Water Resources Management, 1996, 10, 81-105.	1.9	8

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109	Adsorption of tetracycline on montmorillonite: influence of solution pH, temperature, and ionic strength. Desalination and Water Treatment, 0, , 1-13.	1.0	13