

Jiin-Shuh Jean

List of Publications by Year in descending order

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109
papers

5,323
citations

87888

38
h-index

91884

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. <i>Journal of Geochemical Exploration</i> , 2019, 205, 106342.	3.2	3
2	Micro-colonization of arsenic-resistant <i>Staphylococcus</i> sp. As-3 on arsenopyrite (FeAsS) drives arsenic mobilization under anoxic sub-surface mimicking conditions. <i>Science of the Total Environment</i> , 2019, 669, 527-539.	8.0	20
3	The whole genome insight on condition-specific redox activity and arsenopyrite interaction promoting As-mobilization by strain <i>Lysinibacillus</i> sp. B2A1. <i>Journal of Hazardous Materials</i> , 2019, 364, 671-681.	12.4	15
4	The multi-mechanisms and interlayer configurations of metoprolol uptake on montmorillonite. <i>Chemical Engineering Journal</i> , 2019, 360, 325-333.	12.7	13
5	YARG: A repository for arsenic-related genes in yeast. <i>PLoS ONE</i> , 2018, 13, e0201204.	2.5	7
6	Difference in attenuation among Mn, As, and Fe in riverbed sediments. <i>Journal of Hazardous Materials</i> , 2018, 341, 277-289.	12.4	8
7	Investigation of intercalation of diphenhydramine into the interlayer of smectite by XRD, FTIR, TG-DTG analyses and molecular simulation. <i>Arabian Journal of Chemistry</i> , 2017, 10, 855-861.	4.9	10
8	Arsenic-enrichment enhanced root exudates and altered rhizosphere microbial communities and activities in hyperaccumulator <i>Pteris vittata</i> . <i>Journal of Hazardous Materials</i> , 2017, 325, 279-287.	12.4	102
9	Irrigation Practices on Rice Crop Production in Arsenic-Rich Paddy Soil. <i>Crop Science</i> , 2016, 56, 422-431.	1.8	19
10	Influence of Supercritical CO ₂ on the Mobility and Desorption of Trace Elements from CO ₂ Storage Rock Sandstone and Caprock Shale in a Potential CO ₂ Sequestration Site in Taiwan. <i>Aerosol and Air Quality Research</i> , 2016, 16, 1730-1741.	2.1	4
11	Hydrogeochemistry of Groundwater and Arsenic Adsorption Characteristics of Subsurface Sediments in an Alluvial Plain, SW Taiwan. <i>Sustainability</i> , 2016, 8, 1305.	3.2	7
12	Amitriptyline removal using palygorskite clay. <i>Chemosphere</i> , 2016, 155, 292-299.	8.2	33
13	Hydrochemistry of hot springs in geothermal fields of central, northern, and northeastern Taiwan: implication on occurrence and enrichment of arsenic. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	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. <i>Science of the Total Environment</i> , 2016, 569-570, 212-222.	8.0	19
15	Association between arsenic and different-sized dissolved organic matter in the groundwater of black-foot disease area, Taiwan. <i>Chemosphere</i> , 2016, 159, 214-220.	8.2	24
16	Effects of microbially induced transformations and shift in bacterial community on arsenic mobility in arsenic-rich deep aquifer sediments. <i>Journal of Hazardous Materials</i> , 2016, 310, 11-19.	12.4	32
17	Inhibition of ethylenediaminetetraacetic acid ferric sodium salt (EDTA-Fe) and calcium peroxide (CaO ₂) on arsenic uptake by vegetables in arsenic-rich agricultural soil. <i>Journal of Geochemical Exploration</i> , 2016, 163, 19-27.	3.2	23
18	Water management impacts on arsenic behavior and rhizosphere bacterial communities and activities in a rice agro-ecosystem. <i>Science of the Total Environment</i> , 2016, 542, 642-652.	8.0	123

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19	Interaction of ciprofloxacin and probe compounds with palygorskite PFI-1. <i>Journal of Hazardous Materials</i> , 2016, 303, 55-63.	12.4	37
20	Arsenite-oxidizing bacteria exhibiting plant growth promoting traits isolated from the rhizosphere of <i>Oryza sativa</i> L.: Implications for mitigation of arsenic contamination in paddies. <i>Journal of Hazardous Materials</i> , 2016, 302, 10-18.	12.4	76
21	Dissimilatory Arsenate Reduction and In Situ Microbial Activities and Diversity in Arsenic-rich Groundwater of Chianan Plain, Southwestern Taiwan. <i>Microbial Ecology</i> , 2016, 71, 365-374.	2.8	31
22	Ionic-liquid-crafted zeolite for the removal of anionic dye methyl orange. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 237-243.	5.3	29
23	Experimental investigation of trace element dissolution in formation water in the presence of supercritical CO ₂ fluid for a potential geological storage site of CO ₂ in Taiwan. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 23, 304-314.	4.4	20
24	Mechanism of amitriptyline adsorption on Ca-montmorillonite (SAz-2). <i>Journal of Hazardous Materials</i> , 2014, 277, 44-52.	12.4	39
25	Desorption of tetracycline from montmorillonite by aluminum, calcium, and sodium: an indication of intercalation stability. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 633-644.	3.5	36
26	Screening of plant growth-promoting traits in arsenic-resistant bacteria isolated from agricultural soil and their potential implication for arsenic bioremediation. <i>Journal of Hazardous Materials</i> , 2014, 272, 112-120.	12.4	85
27	Spatial variation of groundwater arsenic distribution in the Chianan Plain, SW Taiwan: Role of local hydrogeological factors and geothermal sources. <i>Journal of Hydrology</i> , 2014, 518, 393-409.	5.4	29
28	The production of biofuel and bioelectricity associated with wastewater treatment by green algae. <i>Energy</i> , 2014, 78, 94-103.	8.8	56
29	Distribution and Accumulation of Arsenic in Rice Plants Grown in Arsenic-Rich Agricultural Soil. <i>Agronomy Journal</i> , 2014, 106, 945-951.	1.8	16
30	Vertical geochemical variations and arsenic mobilization in the shallow alluvial aquifers of the Chapai-Nawabganj District, northwestern Bangladesh: implication of siderite precipitation. <i>Environmental Earth Sciences</i> , 2013, 68, 1255-1270.	2.7	8
31	Naturally occurring arsenic in terrestrial geothermal systems of western Anatolia, Turkey: Potential role in contamination of freshwater resources. <i>Journal of Hazardous Materials</i> , 2013, 262, 951-959.	12.4	69
32	Effect of arsenic contamination on bacterial and fungal biomass and enzyme activities in tropical arsenic-contaminated soils. <i>Biology and Fertility of Soils</i> , 2013, 49, 757-765.	4.3	45
33	Changes in Bacterial Community Structure and Abundance in Agricultural Soils under Varying Levels of Arsenic Contamination. <i>Geomicrobiology Journal</i> , 2013, 30, 635-644.	2.0	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. <i>Journal of Geochemical Exploration</i> , 2013, 128, 62-71.	3.2	22
35	Evaluation of remediation process with soapberry derived saponin for removal of heavy metals from contaminated soils in Hai-Pu, Taiwan. <i>Journal of Environmental Sciences</i> , 2013, 25, 1180-1185.	6.1	32
36	Removal of ciprofloxacin from water by birnessite. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 362-369.	12.4	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. <i>Water Research</i> , 2013, 47, 6983-6991.	11.3	16
38	Bioaccessibility and health risk assessment of arsenic in arsenic-enriched soils, Central India. <i>Ecotoxicology and Environmental Safety</i> , 2013, 92, 252-257.	6.0	56
39	Characterisation of organic matter associated with groundwater arsenic in reducing aquifers of southwestern Taiwan. <i>Journal of Hazardous Materials</i> , 2013, 262, 970-979.	12.4	32
40	Linking geochemical processes in mud volcanoes with arsenic mobilization driven by organic matter. <i>Journal of Hazardous Materials</i> , 2013, 262, 980-988.	12.4	16
41	Arsenic ecotoxicology: The interface between geosphere, hydrosphere and biosphere. <i>Journal of Hazardous Materials</i> , 2013, 262, 883-886.	12.4	18
42	Identification and discrimination of bacteria using Fourier transform infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 116, 478-484.	3.9	46
43	Arsenic in the water-soil-plant system and the potential health risks in the coastal part of Chianan Plain, Southwestern Taiwan. <i>Journal of Asian Earth Sciences</i> , 2013, 77, 295-302.	2.3	40
44	Arsenic-induced health crisis in peri-urban Moyna and Ardebok villages, West Bengal, India: an exposure assessment study. <i>Environmental Geochemistry and Health</i> , 2012, 34, 563-574.	3.4	66
45	The binding nature of humic substances with arsenic in alluvial aquifers of Chianan Plain, southwestern Taiwan. <i>Journal of Geochemical Exploration</i> , 2012, 114, 98-108.	3.2	12
46	Adsorption of tetracycline on 2:1 layered non-swelling clay mineral illite. <i>Applied Clay Science</i> , 2012, 67-68, 158-163.	5.2	148
47	Vertical distribution and mobilization of arsenic in shallow alluvial aquifers of Chapai-Nawabganj district, Northwestern Bangladesh. <i>Journal of the Geological Society of India</i> , 2012, 80, 531-538.	1.1	10
48	Geochemical characteristics of the mud volcano fluids in southwestern Taiwan and their possible linkage to elevated arsenic concentration in Chianan plain groundwater. <i>Environmental Earth Sciences</i> , 2012, 66, 1513-1523.	2.7	10
49	One century of arsenic exposure in Latin America: A review of history and occurrence from 14 countries. <i>Science of the Total Environment</i> , 2012, 429, 2-35.	8.0	414
50	Arsenic in the human food chain: the Latin American perspective. <i>Science of the Total Environment</i> , 2012, 429, 92-106.	8.0	147
51	Visible light response of Ag+/TiO ₂ -TiO ₃ prepared by photodeposition under foam fractionation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 236, 1-8.	3.9	24
52	Role of organic matter and humic substances in the binding and mobility of arsenic in a Gangetic aquifer. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1231-1238.	1.7	35
53	Foreword. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1161-1162.	1.7	0
54	Health risks for human intake of aquacultural fish: Arsenic bioaccumulation and contamination. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1266-1273.	1.7	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 /Overlock Geochemistry, 2011, 26, 705-713.	3.0	42
56	Mechanism of chlorpheniramine adsorption on Ca-montmorillonite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 385, 213-218.	4.7	42
57	Combination of hydrous iron oxide precipitation with zeolite filtration to remove arsenic from contaminated water. Desalination, 2011, 280, 203-207.	8.2	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.	7.1	39
59	Mechanism of acridine orange removal from water by low-charge swelling clays. Chemical Engineering Journal, 2011, 174, 603-611.	12.7	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.	3.4	29
61	Kinetics and mechanism of arsenate removal by nanosized iron oxide-coated perlite. Journal of Hazardous Materials, 2011, 187, 89-95.	12.4	57
62	Removal of arsenic from water using Fe-exchanged natural zeolite. Journal of Hazardous Materials, 2011, 187, 318-323.	12.4	96
63	Mechanism of methylene blue removal from water by swelling clays. Chemical Engineering Journal, 2011, 168, 1193-1200.	12.7	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.	2.7	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.	2.7	20
66	Glycerol degradation in single-chamber microbial fuel cells. Bioresource Technology, 2011, 102, 2629-2634.	9.6	79
67	Removal of diphenhydramine from water by swelling clay minerals. Journal of Colloid and Interface Science, 2011, 360, 227-232.	9.4	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.	1.7	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.	1.7	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.	1.7	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.	1.7	26
72	The potential for reductive mobilization of arsenic [As(V) to As(III)] by OSBH₂<i>Pseudomonas stutzeri</i>) and OSBH₅<i>Bacillus cereus</i>) in an oil-contaminated site. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1239-1246.	1.7	40

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73	Biodegradation of benzene by pure and mixed cultures of <i>Bacillus</i> spp.. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1557-1567.	3.6	26
74	Interaction between tetracycline and smectite in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 311-319.	9.4	177
75	Cation exchange interaction between antibiotic ciprofloxacin and montmorillonite. <i>Journal of Hazardous Materials</i> , 2010, 183, 309-314.	12.4	170
76	Biological Synthesis of Gold and Silver Nanoparticles Mediated by the Bacteria <i>Bacillus Subtilis</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6567-6574.	0.9	126
77	Adsorption and desorption properties of arsenate onto nano-sized iron-oxide-coated quartz. <i>Water Science and Technology</i> , 2010, 62, 378-386.	2.5	28
78	Occurrence of arsenic in core sediments and groundwater in the Chapai-Nawabganj District, northwestern Bangladesh. <i>Water Research</i> , 2010, 44, 2021-2037.	11.3	97
79	Implications of organic matter on arsenic mobilization into groundwater: Evidence from northwestern (Chapai-Nawabganj), central (Manikganj) and southeastern (Chandpur) Bangladesh. <i>Water Research</i> , 2010, 44, 5556-5574.	11.3	71
80	Sources and controls for the mobility of arsenic in oxidizing groundwaters from loess-type sediments in arid/semi-arid dry climates – Evidence from the Chaco-Pampean plain (Argentina). <i>Water Research</i> , 2010, 44, 5589-5604.	11.3	88
81	Groundwater arsenic: From genesis to sustainable remediation. <i>Water Research</i> , 2010, 44, 5511.	11.3	8
82	Arsenic enrichment and mobilization in the Holocene alluvial aquifers of the Chapai-Nawabganj district, Bangladesh: A geochemical and statistical study. <i>Applied Geochemistry</i> , 2010, 25, 1280-1289.	3.0	30
83	Arsenic-enriched aquifers: Occurrences and mobilization of arsenic in groundwater of Ganges Delta Plain, Barasat, West Bengal, India. <i>Applied Geochemistry</i> , 2010, 25, 1805-1814.	3.0	85
84	Synthesis of Gold Nanoparticles via an Environmentally Benign Route Using a Biosurfactant. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6693-6699.	0.9	42
85	Synthesis of silver nanoparticles using surfactin: A biosurfactant as stabilizing agent. <i>Materials Letters</i> , 2009, 63, 1227-1230.	2.6	101
86	Effects of gamma irradiation on edible seed protein, amino acids and genomic DNA during sterilization. <i>Food Chemistry</i> , 2009, 114, 1237-1244.	8.2	54
87	Sorptive removal of tetracycline from water by palygorskite. <i>Journal of Hazardous Materials</i> , 2009, 165, 148-155.	12.4	240
88	Stable and high energy generation by a strain of <i>Bacillus subtilis</i> in a microbial fuel cell. <i>Journal of Power Sources</i> , 2009, 190, 258-263.	7.8	154
89	Mechanism of tetracycline sorption on rectorite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 339, 94-99.	4.7	124
90	Adsorption and intercalation of tetracycline by swelling clay minerals. <i>Applied Clay Science</i> , 2009, 46, 27-36.	5.2	154

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91	Geochemical characteristics of the fluids and muds from two southern Taiwan mud volcanoes: Implications for water-sediment interaction and groundwater arsenic enrichment. <i>Applied Geochemistry</i> , 2009, 24, 1793-1802.	3.0	38
92	Effects of inorganic nutrient levels on the biodegradation of benzene, toluene, and xylene (BTX) by <i>Pseudomonas</i> spp. in a laboratory porous media sand aquifer model. <i>Bioresource Technology</i> , 2008, 99, 7807-7815.	9.6	43
93	Geochemistry of high arsenic groundwater in Chia-Nan plain, Southwestern Taiwan: Possible sources and reactive transport of arsenic. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 85-96.	3.3	85
94	Potential Antifreeze Compounds in Present-Day Martian Seepage Groundwater. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2008, 19, 279.	0.6	2
95	Reactive transport of trace elements and isotopes in the Eutaw coastal plain aquifer, Alabama. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	20
96	The interaction between a manmade lake and groundwater: an example site in the Aurku area, Chiayi County, Taiwan. <i>Hydrological Processes</i> , 2007, 21, 647-657.	2.6	0
97	The association between rainfall rate and occurrence of an enterovirus epidemic due to a contaminated well. <i>Journal of Applied Microbiology</i> , 2006, 101, 1224-1231.	3.1	36
98	Variations in Tectonic Activities of the Central and Southwestern Foothills, Taiwan, Inferred from River Hack Profiles. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2006, 17, 563.	0.6	25
99	Bacterial Activity and Their Physiological Characteristics in the Sediments of O DP Holes 1202A and 1202D, Okinawa Trough, Western Pacific. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2005, 16, 113.	0.6	5
100	Comparative endoscopic and SEM analyses and imaging for biofilm growth on porous quartz sand. <i>Biogeochemistry</i> , 2004, 70, 427-445.	3.5	9
101	Huge rock eruption caused by the 1999 Chi-Chi earthquake in Taiwan. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	4
102	Biodegradation and transport of benzene, toluene, and xylenes in a simulated aquifer: comparison of modelled and experimental results. <i>Hydrological Processes</i> , 2002, 16, 3151-3168.	2.6	26
103	Role of fluids in surface deformation caused by the 1999 Chi-Chi earthquake in Taiwan. <i>Earth Surface Processes and Landforms</i> , 2002, 27, 1-10.	2.5	0
104	Stone cover and slope factors influencing hillside surface runoff and infiltration: laboratory investigation. <i>Hydrological Processes</i> , 2000, 14, 1829-1849.	2.6	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). <i>Hydrogeology Journal</i> , 2000, 8, 0350-0353.	2.1	2
106	Outbreak of enteroviruses and groundwater contamination in Taiwan: Concept of biomedical hydrogeology. <i>Hydrogeology Journal</i> , 1999, 7, 339-340.	2.1	16
107	Laboratory simulation of water-resources conservation by means of the layout of a series of ponds along a streambank. <i>Hydrogeology Journal</i> , 1998, 6, 233-242.	2.1	3
108	Pumping testing using a siphon well. <i>Water Resources Management</i> , 1996, 10, 81-105.	3.9	8

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