

# Wei-Teh Jiang

## List of Publications by Year in descending order

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85  
papers

3,396  
citations

126708

33  
h-index

149479

56  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sorption of Acridine Orange on Non-Swelling and Swelling Clay Minerals. <i>Crystals</i> , 2022, 12, 118.	1.0	6
2	Enhanced removal of ethidium bromide (EtBr) from aqueous solution using rectorite. <i>Journal of Hazardous Materials</i> , 2020, 384, 121254.	6.5	9
3	Optimization of acridine orange loading on 1:1 layered clay minerals for fluorescence enhancement. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 407-418.	2.9	2
4	Calcination of hydrotalcite to enhance the removal of perfluorooctane sulfonate from water. <i>Applied Clay Science</i> , 2020, 190, 105563.	2.6	10
5	Enhanced fluorescence effect of acridine orange sorbed on 2:1 layered clay minerals. <i>Applied Clay Science</i> , 2020, 189, 105534.	2.6	6
6	The Triple Mechanisms of Atenolol Adsorption on Ca-Montmorillonite: Implication in Pharmaceutical Wastewater Treatment. <i>Materials</i> , 2019, 12, 2858.	1.3	14
7	Removal of perfluorooctanoic acid from water using calcined hydrotalcite – A mechanistic study. <i>Journal of Hazardous Materials</i> , 2019, 368, 487-495.	6.5	36
8	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.	3.9	20
9	Mechanisms of Cu <sup>2+</sup> , triethylenetetramine (TETA), and Cu-TETA sorption on rectorite and its use for metal removal via metal-TETA complexation. <i>Journal of Hazardous Materials</i> , 2019, 373, 187-196.	6.5	14
10	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.	6.5	15
11	Clay minerals for pharmaceutical wastewater treatment. , 2019, , 167-196.		19
12	The multi-mechanisms and interlayer configurations of metoprolol uptake on montmorillonite. <i>Chemical Engineering Journal</i> , 2019, 360, 325-333.	6.6	13
13	Mechanism of tyramine adsorption on Ca-montmorillonite. <i>Science of the Total Environment</i> , 2018, 642, 198-207.	3.9	25
14	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.	2.3	10
15	Reductive Heating Experiments on BOF-Slag: Simultaneous Phosphorus Re-Distribution and Volume Stabilization for Recycling. <i>Steel Research International</i> , 2016, 87, 1511-1526.	1.0	5
16	Modification of Multilayer Carbon Nanotubes for the Removal of Arsenate. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3835-3840.	0.9	1
17	Amitriptyline removal using palygorskite clay. <i>Chemosphere</i> , 2016, 155, 292-299.	4.2	33
18	Controllable adjustment of the crystal symmetry of $\text{MnO}_{2}$ and its influence on the frequency of microwave absorption. <i>RSC Advances</i> , 2016, 6, 58844-58853.	1.7	17

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19	Tunable high-performance microwave absorption for manganese dioxides by one-step Co doping modification. <i>Scientific Reports</i> , 2016, 6, 37400.	1.6	14
20	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.	3.9	19
21	Interference of 1:1 and 2:1 layered phyllosilicates as excipients with ranitidine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 67-73.	2.5	4
22	Halloysite nanotubes as a carrier for the uptake of selected pharmaceuticals. <i>Microporous and Mesoporous Materials</i> , 2016, 220, 298-307.	2.2	36
23	Interaction of ciprofloxacin and probe compounds with palygorskite PFI-1. <i>Journal of Hazardous Materials</i> , 2016, 303, 55-63.	6.5	37
24	Palygorskite for the uptake and removal of pharmaceuticals for wastewater treatment. <i>Chemical Engineering Research and Design</i> , 2016, 101, 80-87.	2.7	17
25	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.	2.7	29
26	Adsorption of Atenolol on Kaolinite. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-8.	1.0	12
27	Adsorption of Atenolol on Talc: An Indication of Drug Interference with an Excipient. <i>Adsorption Science and Technology</i> , 2015, 33, 379-392.	1.5	9
28	Experimental investigation of trace element dissolution in formation water in the presence of supercritical CO <sub>2</sub> fluid for a potential geological storage site of CO <sub>2</sub> in Taiwan. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 23, 304-314.	2.1	20
29	Interlayer configuration of ionic liquids in a Ca-montmorillonite as evidenced by FTIR, TG-DTG, and XRD analyses. <i>Materials Chemistry and Physics</i> , 2015, 162, 417-424.	2.0	31
30	Contrasting mechanisms of metoprolol uptake on kaolinite and talc. <i>Chemical Engineering Journal</i> , 2015, 272, 48-57.	6.6	18
31	Sorption and desorption of tetracycline on layered manganese dioxide birnessite. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 1695-1704.	1.8	30
32	Ionic liquid modification of zeolite and its removal of chromate from water. <i>Green Chemistry Letters and Reviews</i> , 2014, 7, 191-198.	2.1	10
33	Intercalation and configurations of organic dye acridine orange in a high-charge montmorillonite as influenced by dye loading. <i>Desalination and Water Treatment</i> , 2014, 52, 7323-7331.	1.0	11
34	Provenance of Cored Sediments from Active Margin off Southwestern Taiwan Deduced from Geochemical Constraints. <i>Acta Geologica Sinica</i> , 2014, 88, 128-141.	0.8	2
35	Mechanism of amitriptyline adsorption on Ca-montmorillonite (SAz-2). <i>Journal of Hazardous Materials</i> , 2014, 277, 44-52.	6.5	39
36	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.	1.8	36

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37	Removal of Cr(VI) from water using Fe(II)-modified natural zeolite. <i>Chemical Engineering Research and Design</i> , 2014, 92, 384-390.	2.7	54
38	Modification of a Ca-montmorillonite with ionic liquids and its application for chromate removal. <i>Journal of Hazardous Materials</i> , 2014, 270, 169-175.	6.5	36
39	Authigenesis of vivianite as influenced by methane-induced sulfidization in cold-seep sediments off southwestern Taiwan. <i>Journal of Asian Earth Sciences</i> , 2014, 89, 88-97.	1.0	38
40	Using probing compounds to investigate adsorption mechanism of ciprofloxacin on montmorillonite. <i>Materials Technology</i> , 2014, 29, B100-B107.	1.5	8
41	Removal of ciprofloxacin from water by birnessite. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 362-369.	6.5	121
42	Desorption of ciprofloxacin from clay mineral surfaces. <i>Water Research</i> , 2013, 47, 259-268.	5.3	71
43	Uptake and retention of amitriptyline by kaolinite. <i>Journal of Colloid and Interface Science</i> , 2013, 411, 198-203.	5.0	20
44	Intercalation of ciprofloxacin accompanied by dehydration in rectorite. <i>Applied Clay Science</i> , 2013, 74, 74-80.	2.6	26
45	Adsorption of tetracycline on 2:1 layered non-swelling clay mineral illite. <i>Applied Clay Science</i> , 2012, 67-68, 158-163.	2.6	148
46	Influence of waterfall aeration and seasonal temperature variation on the iron and arsenic attenuation rates in an acid mine drainage system. <i>Applied Geochemistry</i> , 2012, 27, 1966-1978.	1.4	26
47	Cr(VI) retention and transport through Fe(III)-coated natural zeolite. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 118-123.	6.5	39
48	Adsorption of ciprofloxacin on 2:1 dioctahedral clay minerals. <i>Applied Clay Science</i> , 2011, 53, 723-728.	2.6	148
49	Mechanism of chlorpheniramine adsorption on Ca-montmorillonite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 385, 213-218.	2.3	42
50	Combination of hydrous iron oxide precipitation with zeolite filtration to remove arsenic from contaminated water. <i>Desalination</i> , 2011, 280, 203-207.	4.0	16
51	Mechanism of acridine orange removal from water by low-charge swelling clays. <i>Chemical Engineering Journal</i> , 2011, 174, 603-611.	6.6	30
52	Removal of arsenic from water using Fe-exchanged natural zeolite. <i>Journal of Hazardous Materials</i> , 2011, 187, 318-323.	6.5	96
53	Mechanism of methylene blue removal from water by swelling clays. <i>Chemical Engineering Journal</i> , 2011, 168, 1193-1200.	6.6	105
54	Removal of diphenhydramine from water by swelling clay minerals. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 227-232.	5.0	37

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55	Comparison of silicon nanocrystals embedded silicon oxide films by sputtering and PECVD. <i>Thin Solid Films</i> , 2011, 519, 5086-5089.	0.8	5
56	Interaction between tetracycline and smectite in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 311-319.	5.0	177
57	Cation exchange interaction between antibiotic ciprofloxacin and montmorillonite. <i>Journal of Hazardous Materials</i> , 2010, 183, 309-314.	6.5	170
58	Influence of Chain Lengths and Loading Levels on Interlayer Configurations of Intercalated Alkylammonium and Their Transitions in Rectorite. <i>Langmuir</i> , 2010, 26, 8289-8294.	1.6	24
59	Study on thermal properties of nanocrystalline strontianite. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1530-1532.	1.5	4
60	FTIR and XRD Investigations of Tetracycline Intercalation in Smectites. <i>Clays and Clay Minerals</i> , 2010, 58, 462-474.	0.6	41
61	Intercalation of Methylene Blue in a High-Charge Calcium Montmorillonite – An Indication of Surface Charge Determination. <i>Adsorption Science and Technology</i> , 2010, 28, 297-312.	1.5	20
62	A thermogravimetric investigation of alkylammonium intercalation into rectorite. <i>Thermochimica Acta</i> , 2009, 483, 58-65.	1.2	31
63	Mechanism of tetracycline sorption on rectorite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 339, 94-99.	2.3	124
64	Interlayer conformations of intercalated dodecyltrimethylammonium in rectorite as determined by FTIR, XRD, and TG analyses. <i>Clays and Clay Minerals</i> , 2009, 57, 194-204.	0.6	22
65	Adsorption and intercalation of tetracycline by swelling clay minerals. <i>Applied Clay Science</i> , 2009, 46, 27-36.	2.6	154
66	An FTIR investigation of hexadecyltrimethylammonium intercalation into rectorite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 1525-1534.	2.0	121
67	Adsorption of Cr(VI) on STAC-modified rectorite. <i>Applied Clay Science</i> , 2008, 42, 292-299.	2.6	86
68	Formation of iron sulfide nodules during anaerobic oxidation of methane. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5155-5167.	1.6	68
69	Mineralogy and Physical Properties of Cored Sediments from the Gas Hydrate Potential Area of Offshore Southwestern Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2006, 17, 981.	0.3	20
70	Assessing the timing of greigite formation and the reliability of the Upper Olduvai polarity transition record from the Crostolo River, Italy. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	32
71	Bacterial Activity and Their Physiological Characteristics in the Sediments of ODP Holes 1202A and 1202D, Okinawa Trough, Western Pacific. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2005, 16, 113.	0.3	5
72	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.	1.2	0

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73	Contradictory magnetic polarities in sediments and variable timing of neoformation of authigenic greigite. <i>Earth and Planetary Science Letters</i> , 2001, 193, 1-12.	1.8	103
74	Relation between Interlayer Composition of Authigenic Smectite, Mineral Assemblages, I/S Reaction Rate and Fluid Composition in Silicic Ash of the Nankai Trough. <i>Clays and Clay Minerals</i> , 1996, 44, 443-459.	0.6	56
75	Clay Minerals in the MacAdams Sandstone, California: Implications for Substitution of H <sub>3</sub> O <sup>+</sup> and H <sub>2</sub> O and Metastability of Illite*. <i>Clays and Clay Minerals</i> , 1994, 42, 35-45.	0.6	22
76	Prograde Transitions of Corrensite and Chlorite in Low-Grade Pelitic Rocks from the Gaspé Peninsula, Quebec. <i>Clays and Clay Minerals</i> , 1994, 42, 497-517.	0.6	29
77	Chlorite Geothermometry? Contamination and Apparent Octahedral Vacancies. <i>Clays and Clay Minerals</i> , 1994, 42, 593-605.	0.6	76
78	Formation of corrensite, chlorite and chlorite-mica stacks by replacement of detrital biotite in low-grade pelitic rocks. <i>Journal of Metamorphic Geology</i> , 1994, 12, 867-884.	1.6	38
79	Microstructures, Mixed Layering, and Polymorphism of Chlorite and Retrograde Berthierine in the Kidd Creek Massive Sulfide Deposit, Ontario. <i>Clays and Clay Minerals</i> , 1992, 40, 501-514.	0.6	37
80	Transmission Electron Microscope Observations of Illite Polytypism. <i>Clays and Clay Minerals</i> , 1991, 39, 540-550.	0.6	31
81	Transmission Electron Microscopic Study of the Kaolinitization of Muscovite. <i>Clays and Clay Minerals</i> , 1991, 39, 1-13.	0.6	35
82	Hydrothermally precipitated mixed-layer illite-smectite in recent massive sulfide deposits from the sea floor. <i>Geology</i> , 1991, 19, 570.	2.0	36
83	Transmission and Analytical Electron Microscopic Study of Mixed-Layer Illite/Smectite Formed as an Apparent Replacement Product of Diagenetic Illite. <i>Clays and Clay Minerals</i> , 1990, 38, 449-468.	0.6	82
84	Transmission Electron Microscopic Study of Coexisting Pyrophyllite and Muscovite: Direct Evidence for the Metastability of Illite. <i>Clays and Clay Minerals</i> , 1990, 38, 225-240.	0.6	44
85	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