

# Thomas Pichler

## List of Publications by Year in descending order

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66  
papers

3,631  
citations

136950

32  
h-index

133252

59  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hg in the hydrothermal fluids and gases in Baia di Levante, Vulcano, Italy. <i>Marine Chemistry</i> , 2022, 244, 104147.	2.3	1
2	Mercury in the hydrothermal fluids and gases in Paleochori Bay, Milos, Greece. <i>Marine Chemistry</i> , 2021, 233, 103984.	2.3	9
3	Optimization and assessment of a sequential extraction procedure for calcium carbonate rocks. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 577.	2.7	4
4	Chitosan functionalized iron nanosheet for enhanced removal of As(III) and Sb(III): Synergistic effect and mechanism. <i>Chemical Engineering Journal</i> , 2020, 382, 122999.	12.7	72
5	Cadmium Background Levels in Groundwater in an Area Dominated by Agriculture. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 103-113.	2.9	21
6	Manganese (Mn) Concentrations and the Mn-Fe Relationship in Shallow Groundwater: Implications for Groundwater Monitoring. <i>Soil Systems</i> , 2020, 4, 49.	2.6	16
7	Hydrothermal areas, microbial mats and sea grass in Paleochori Bay, Milos, Greece. <i>Journal of Maps</i> , 2020, 16, 348-356.	2.0	6
8	Cadmium in soils and groundwater: A review. <i>Applied Geochemistry</i> , 2019, 108, 104388.	3.0	602
9	Cadmium in groundwater $\hat{a}$ A synopsis based on a large hydrogeochemical data set. <i>Science of the Total Environment</i> , 2019, 689, 831-842.	8.0	52
10	Development of a magnetic core-shell Fe <sub>3</sub> O <sub>4</sub> @TA@UiO-66 microsphere for removal of arsenic(III) and antimony(III) from aqueous solution. <i>Journal of Hazardous Materials</i> , 2019, 378, 120721.	12.4	108
11	Geochemistry of hot-springs at the SuSu Knolls hydrothermal field, Eastern Manus Basin: Advanced argillic alteration and vent fluid acidity. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 255, 25-48.	3.9	27
12	Determination of ultra-low volatile mercury concentrations in sulfur-rich gases and liquids. <i>Talanta</i> , 2019, 199, 277-284.	5.5	13
13	Generating false negatives and false positives for As and Mo concentrations in groundwater due to well installation. <i>Science of the Total Environment</i> , 2018, 631-632, 723-732.	8.0	16
14	Geogenic As and Mo groundwater contamination caused by an abundance of domestic supply wells. <i>Applied Geochemistry</i> , 2017, 77, 68-79.	3.0	20
15	Competitive adsorption of As(III), As(V), Sb(III) and Sb(V) onto ferrihydrite in multi-component systems: Implications for mobility and distribution. <i>Journal of Hazardous Materials</i> , 2017, 330, 142-148.	12.4	110
16	Geochemical characteristics, speciation and size-fractionation of iron (Fe) in two marine shallow-water hydrothermal systems, Dominica, Lesser Antilles. <i>Chemical Geology</i> , 2017, 454, 44-53.	3.3	18
17	Consideration of geological aspects and geochemical parameters of fluids in Bushdi geothermal field, south of mount Sabalan, NW Iran. <i>Journal of African Earth Sciences</i> , 2017, 129, 692-700.	2.0	4
18	Submarine groundwater discharge within a landslide scar at the French Mediterranean coast. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 198, 128-137.	2.1	17

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19	Reply to a comment on "The distribution and mobility of geogenic molybdenum and arsenic in a limestone aquifer matrix". <i>Applied Geochemistry</i> , 2017, 77, 215-218.	3.0	0
20	Bacterial Diversity and Biogeochemistry of Two Marine Shallow-Water Hydrothermal Systems off Dominica (Lesser Antilles). <i>Frontiers in Microbiology</i> , 2017, 8, 2400.	3.5	8
21	Boron isotope variations in geothermal systems on Java, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 311, 1-8.	2.1	16
22	Arsenic bioaccumulation and biotransformation in deep-sea hydrothermal vent organisms from the PACMANUS hydrothermal field, Manus Basin, PNG. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 117, 95-106.	1.4	10
23	Molecular evidence for abiotic sulfurization of dissolved organic matter in marine shallow hydrothermal systems. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 190, 35-52.	3.9	60
24	Competitive Adsorption of As(III) and As(V) by Ferrihydrite: Equilibrium, Kinetics, and Surface Complexation. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	15
25	Preservation of co-occurring As, Sb and Se species in water samples with EDTA and acidification. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2016, 16, 117-125.	0.9	7
26	Sequential and simultaneous adsorption of Sb(III) and Sb(V) on ferrihydrite: Implications for oxidation and competition. <i>Chemosphere</i> , 2016, 145, 55-60.	8.2	86
27	Distribution and mobility of geogenic molybdenum and arsenic in a limestone aquifer matrix. <i>Applied Geochemistry</i> , 2015, 63, 623-633.	3.0	25
28	Interaction between iron and dissolved organic matter in a marine shallow hydrothermal system off Dominica Island (Lesser Antilles). <i>Marine Chemistry</i> , 2015, 177, 677-686.	2.3	26
29	Subsurface hydrothermal processes and the bioenergetics of chemolithoautotrophy at the shallow-sea vents off Panarea Island (Italy). <i>Chemical Geology</i> , 2015, 407-408, 21-45.	3.3	39
30	Submarine venting of magmatic volatiles in the Eastern Manus Basin, Papua New Guinea. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 163, 178-199.	3.9	59
31	Geothermal systems on the island of Bali, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 304, 349-358.	2.1	5
32	Understanding arsenic behavior in carbonate aquifers: Implications for aquifer storage and recovery (ASR). <i>Applied Geochemistry</i> , 2015, 52, 57-66.	3.0	27
33	Closer Look at As(III) and As(V) Adsorption onto Ferrihydrite under Competitive Conditions. <i>Langmuir</i> , 2014, 30, 11110-11116.	3.5	40
34	Geothermal systems on the island of Java, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 285, 47-59.	2.1	50
35	Simultaneous speciation analysis of As, Sb and Se redox couples by SF-ICP-MS coupled to HPLC. <i>Analytical Methods</i> , 2014, 6, 5112-5119.	2.7	13
36	Arsenic in marine hydrothermal fluids. <i>Chemical Geology</i> , 2013, 348, 2-14.	3.3	56

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37	Processes influencing extreme As enrichment in shallow-sea hydrothermal fluids of Milos Island, Greece. <i>Chemical Geology</i> , 2013, 348, 15-26.	3.3	81
38	Arsenic occurrence and speciation in <i>Cyclope neritea</i> , a gastropod inhabiting the arsenic-rich marine shallow-water hydrothermal system off Milos Island, Greece. <i>Chemical Geology</i> , 2013, 348, 56-64.	3.3	19
39	Enhanced bioaccumulation and biotransformation of As in coral reef organisms surrounding a marine shallow-water hydrothermal vent system. <i>Chemical Geology</i> , 2013, 348, 48-55.	3.3	28
40	Archaeal and bacterial diversity in an arsenic-rich shallow-sea hydrothermal system undergoing phase separation. <i>Frontiers in Microbiology</i> , 2013, 4, 158.	3.5	70
41	Removing Heavy Metals in Water: The Interaction of Cactus Mucilage and Arsenate (As (V)). <i>Environmental Science &amp; Technology</i> , 2012, 46, 4553-4559.	10.0	81
42	Process-Based Reactive Transport Model To Quantify Arsenic Mobility during Aquifer Storage and Recovery of Potable Water. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6924-6931.	10.0	90
43	Geochemistry of hydrothermal fluids from the PACMANUS, Northeast Pual and Vienna Woods hydrothermal fields, Manus Basin, Papua New Guinea. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1088-1123.	3.9	185
44	Chemistry of hot springs along the Eastern Lau Spreading Center. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1013-1038.	3.9	121
45	Evaluating Complex Hydrogeological Settings in a Constructed Wetland: An Isotopic/Chemical Mass Balance Approach. <i>Wetlands</i> , 2011, 31, 521-534.	1.5	4
46	Changes in Benthic Macrofauna Associated with a Shallow-Water Hydrothermal Vent Gradient in Papua New Guinea. <i>Pacific Science</i> , 2010, 64, 391-404.	0.6	18
47	Long-term performance of a constructed wetland/filter basin system treating wastewater, Central Florida. <i>Chemical Geology</i> , 2010, 269, 137-152.	3.3	14
48	Microbial Mineral Weathering for Nutrient Acquisition Releases Arsenic. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2558-2565.	3.1	95
49	Arsenic abundance and variation in golf course lakes. <i>Science of the Total Environment</i> , 2008, 394, 313-320.	8.0	17
50	Naturally occurring arsenic in the Miocene Hawthorn Group, southwestern Florida: Potential implication for phosphate mining. <i>Applied Geochemistry</i> , 2007, 22, 953-973.	3.0	31
51	Enhanced geochemical gradients in a marine shallow-water hydrothermal system: Unusual arsenic speciation in horizontal and vertical pore water profiles. <i>Applied Geochemistry</i> , 2007, 22, 2595-2605.	3.0	35
52	Relationship between Pyrite Stability and Arsenic Mobility During Aquifer Storage and Recovery in Southwest Central Florida. <i>Environmental Science &amp; Technology</i> , 2007, 41, 723-730.	10.0	81
53	High crystallinity Si-ferrihydrite: An insight into its Néel temperature and size dependence of magnetic properties. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	56
54	A natural laboratory to study arsenic geobiocomplexity. <i>Eos</i> , 2006, 87, 221.	0.1	20

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55	Abundance and mineralogical association of arsenic in the Suwannee Limestone (Florida): Implications for arsenic release during water-rock interaction. <i>Chemical Geology</i> , 2006, 228, 44-56.	3.3	92
56	Stable and radiogenic isotopes as tracers for the origin, mixing and subsurface history of fluids in submarine shallow-water hydrothermal systems. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 139, 211-226.	2.1	32
57	<sup>34</sup> S isotope values of dissolved sulfate (SO <sub>4</sub> <sup>2-</sup> ) as a tracer for battery acid (H <sub>2</sub> SO <sub>4</sub> ) contamination in groundwater. <i>Environmental Geology</i> , 2005, 47, 215-224.	1.2	5
58	Geochemistry of Champagne Hot Springs shallow hydrothermal vent field and associated sediments, Dominica, Lesser Antilles. <i>Chemical Geology</i> , 2005, 224, 55-68.	3.3	83
59	Distribution, speciation and bioavailability of arsenic in a shallow-water submarine hydrothermal system, Tutum Bay, Ambitle Island, PNG. <i>Chemical Geology</i> , 2005, 224, 122-135.	3.3	101
60	The precipitation of aragonite from shallow-water hydrothermal fluids in a coral reef, Tutum Bay, Ambitle Island, Papua New Guinea. <i>Chemical Geology</i> , 2004, 207, 31-45.	3.3	35
61	Mineralogy of a natural As-rich hydrous ferric oxide coprecipitate formed by mixing of hydrothermal fluid and seawater: Implications regarding surface complexation and color banding in ferrihydrite deposits. <i>American Mineralogist</i> , 2001, 86, 834-851.	1.9	117
62	The chemical composition of shallow-water hydrothermal fluids in Tutum Bay, Ambitle Island, Papua New Guinea and their effect on ambient seawater. <i>Marine Chemistry</i> , 1999, 64, 229-252.	2.3	134
63	Precipitation of Fe(III) oxyhydroxide deposits from shallow-water hydrothermal fluids in Tutum Bay, Ambitle Island, Papua New Guinea. <i>Chemical Geology</i> , 1999, 162, 15-31.	3.3	83
64	Natural Input of Arsenic into a Coral-Reef Ecosystem by Hydrothermal Fluids and Its Removal by Fe(III) Oxyhydroxides. <i>Environmental Science &amp; Technology</i> , 1999, 33, 1373-1378.	10.0	120
65	Fe sulfide formation due to seawater-gas-sediment interaction in a shallow-water hydrothermal system at Lihir Island, Papua New Guinea. <i>Economic Geology</i> , 1999, 94, 281-288.	3.8	52
66	Hydrothermal venting within a coral reef ecosystem, Ambitle Island, Papua New Guinea. <i>Geology</i> , 1996, 24, 435.	4.4	65