

# Peter H Santschi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

201  
papers

12,680  
citations

63  
h-index

105  
g-index

207  
ext. papers

13,839  
ext. citations

5.6  
avg, IF

6.16  
L-index

#	Paper	IF	Citations
201	Large seasonal fluctuations of groundwater radioiodine speciation and concentrations in a riparian wetland in South Carolina. <i>Science of the Total Environment</i> , <b>2021</b> , 151548	10.2	0
200	Molecular Level Characterization of Diatom and Coccolithophore-Associated Biopolymers That Are Binding <sup>210</sup> Pb and <sup>210</sup> Po in Seawater. <i>Frontiers in Marine Science</i> , <b>2021</b> , 8,	4.5	2
199	Marine Gel Interactions with Hydrophilic and Hydrophobic Pollutants. <i>Gels</i> , <b>2021</b> , 7,	4.2	3
198	Stickiness of extracellular polymeric substances on different surfaces via magnetic tweezers. <i>Science of the Total Environment</i> , <b>2021</b> , 757, 143766	10.2	4
197	Photo-oxidation of proteins facilitates the preservation of high molecular weight dissolved organic nitrogen in the ocean. <i>Marine Chemistry</i> , <b>2021</b> , 229, 103907	3.7	3
196	From Nano-Gels to Marine Snow: A Synthesis of Gel Formation Processes and Modeling Efforts Involved with Particle Flux in the Ocean. <i>Gels</i> , <b>2021</b> , 7,	4.2	3
195	The Interplay of Phototrophic and Heterotrophic Microbes Under Oil Exposure: A Microcosm Study. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 675328	5.7	1
194	Marine Snow Aggregates are Enriched in Polycyclic Aromatic Hydrocarbons (PAHs) in Oil Contaminated Waters: Insights from a Mesocosm Study. <i>Journal of Marine Science and Engineering</i> , <b>2020</b> , 8, 781	2.4	4
193	Exoenzymes as a Signature of Microbial Response to Marine Environmental Conditions. <i>MSystems</i> , <b>2020</b> , 5,	7.6	6
192	Protein to carbohydrate (P/C) ratio changes in microbial extracellular polymeric substances induced by oil and Corexit. <i>Marine Chemistry</i> , <b>2020</b> , 223, 103789	3.7	12
191	Polycyclic aromatic hydrocarbons (PAHs) and putative PAH-degrading bacteria in Galveston Bay, TX (USA), following Hurricane Harvey (2017). <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 34987-34999 <sup>14</sup>	5.1	14
190	Diatom aggregation when exposed to crude oil and chemical dispersant: Potential impacts of ocean acidification. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235473	3.7	5
189	Polycyclic aromatic hydrocarbons (PAHs) cycling and fates in Galveston Bay, Texas, USA. <i>PLoS ONE</i> , <b>2020</b> , 15, e0243734	3.7	3
188	Can the protein/carbohydrate (P/C) ratio of exopolymeric substances (EPS) be used as a proxy for their stickiness and aggregation propensity?. <i>Marine Chemistry</i> , <b>2020</b> , 218, 103734	3.7	24
187	Nano-plastics induce aquatic particulate organic matter (microgels) formation. <i>Science of the Total Environment</i> , <b>2020</b> , 706, 135681	10.2	27
186	Nano- and microplastics trigger secretion of protein-rich extracellular polymeric substances from phytoplankton. <i>Science of the Total Environment</i> , <b>2020</b> , 748, 141469	10.2	21
185	Molecular Interaction of Aqueous Iodine Species with Humic Acid Studied by I and C K-Edge X-ray Absorption Spectroscopy. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 12416-12424	10.3	5

184	Comparison of microgels, extracellular polymeric substances (EPS) and transparent exopolymeric particles (TEP) determined in seawater with and without oil. <i>Marine Chemistry</i> , <b>2019</b> , 215, 103667	3.7	15
183	Nagasaki sediments reveal that long-term fate of plutonium is controlled by select organic matter moieties. <i>Science of the Total Environment</i> , <b>2019</b> , 678, 409-418	10.2	4
182	Iodine speciation in a silver-amended cementitious system. <i>Environment International</i> , <b>2019</b> , 126, 576-584	4.9	9
181	Rapid Degradation of Oil in Mesocosm Simulations of Marine Oil Snow Events. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 3441-3450	10.3	13
180	Iodine speciation in cementitious environments. <i>Applied Geochemistry</i> , <b>2019</b> , 103, 15-22	3.5	9
179	The interplay of extracellular polymeric substances and oil/Corexit to affect the petroleum incorporation into sinking marine oil snow in four mesocosms. <i>Science of the Total Environment</i> , <b>2019</b> , 693, 133626	10.2	11
178	Incorporation of oil into diatom aggregates. <i>Marine Ecology - Progress Series</i> , <b>2019</b> , 612, 65-86	2.6	27
177	Colloids and Nanoparticles in Aquatic Systems <b>2019</b> , 1-13		
176	Impact of exposure of crude oil and dispersant (Corexit) on aggregation of extracellular polymeric substances. <i>Science of the Total Environment</i> , <b>2019</b> , 657, 1535-1542	10.2	15
175	Sunlight induced aggregation of dissolved organic matter: Role of proteins in linking organic carbon and nitrogen cycling in seawater. <i>Science of the Total Environment</i> , <b>2019</b> , 654, 872-877	10.2	14
174	Response of natural phytoplankton communities exposed to crude oil and chemical dispersants during a mesocosm experiment. <i>Aquatic Toxicology</i> , <b>2019</b> , 206, 43-53	5.1	22
173	Centennial record of anthropogenic impacts in Galveston Bay: Evidence from trace metals (Hg, Pb, Ni, Zn) and lignin oxidation products. <i>Environmental Pollution</i> , <b>2018</b> , 237, 887-899	9.3	16
172	Mercury inputs and redistribution in the Penobscot River and estuary, Maine. <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 172-183	10.2	13
171	Sediment accumulation and mixing in the Penobscot River and estuary, Maine. <i>Science of the Total Environment</i> , <b>2018</b> , 635, 228-239	10.2	1
170	Limited mobility of dioxins near San Jacinto super fund site (waste pit) in the Houston Ship Channel, Texas due to strong sediment sorption. <i>Environmental Pollution</i> , <b>2018</b> , 238, 988-998	9.3	11
169	Diagnostic tool to ascertain marine phytoplankton exposure to chemically enhanced water accommodated fraction of oil using Fourier Transform Infrared spectroscopy. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 130, 170-178	6.7	6
168	Radionuclide uptake by colloidal and particulate humic acids obtained from 14 soils collected worldwide. <i>Scientific Reports</i> , <b>2018</b> , 8, 4795	4.9	7
167	Biogenic Manganese Oxides Facilitate Iodide Oxidation at pH 5. <i>Geomicrobiology Journal</i> , <b>2018</b> , 35, 167-173	2.5	6

166	Rapid Formation of Microbe-Oil Aggregates and Changes in Community Composition in Coastal Surface Water Following Exposure to Oil and the Dispersant Corexit. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 689	5.7	44
165	Extracellular Enzyme Activity Profile in a Chemically Enhanced Water Accommodated Fraction of Surrogate Oil: Toward Understanding Microbial Activities After the Deepwater Horizon Oil Spill. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 798	5.7	23
164	Identifying oil/marine snow associations in mesocosm simulations of the Deepwater Horizon oil spill event using solid-state C NMR spectroscopy. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 126, 159-165	6.7	23
163	Marine colloids, agents of the self-cleansing capacity of aquatic systems: Historical perspective and new discoveries. <i>Marine Chemistry</i> , <b>2018</b> , 207, 124-135	3.7	33
162	Protein: Polysaccharide ratio in exopolymeric substances controlling the surface tension of seawater in the presence or absence of surrogate Macondo oil with and without Corexit. <i>Marine Chemistry</i> , <b>2018</b> , 206, 84-92	3.7	25
161	The role of microbially-mediated exopolymeric substances (EPS) in regulating Macondo oil transport in a mesocosm experiment. <i>Marine Chemistry</i> , <b>2018</b> , 206, 52-61	3.7	20
160	Decreased sedimentation efficiency of petro- and non-petro-carbon caused by a dispersant for Macondo surrogate oil in a mesocosm simulating a coastal microbial community. <i>Marine Chemistry</i> , <b>2018</b> , 206, 34-43	3.7	18
159	The effects of sunlight on the composition of exopolymeric substances and subsequent aggregate formation during oil spills. <i>Marine Chemistry</i> , <b>2018</b> , 203, 49-54	3.7	19
158	Sorption of selected radionuclides on different MnO <sub>2</sub> phases. <i>Environmental Chemistry</i> , <b>2017</b> , 14, 207	3.2	4
157	Light-induced aggregation of microbial exopolymeric substances. <i>Chemosphere</i> , <b>2017</b> , 181, 675-681	8.4	28
156	Estimates of recovery of the Penobscot River and estuarine system from mercury contamination in the 1960's. <i>Science of the Total Environment</i> , <b>2017</b> , 596-597, 351-359	10.2	17
155	Recent advances in the detection of specific natural organic compounds as carriers for radionuclides in soil and water environments, with examples of radioiodine and plutonium. <i>Journal of Environmental Radioactivity</i> , <b>2017</b> , 171, 226-233	2.4	17
154	Microbial Transformation of Iodine: From Radioisotopes to Iodine Deficiency. <i>Advances in Applied Microbiology</i> , <b>2017</b> , 101, 83-136	4.9	22
153	Effect of Engineered Nanoparticles on Exopolymeric Substances Release from Marine Phytoplankton. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 620	5	24
152	Plutonium Partitioning Behavior to Humic Acids from Widely Varying Soils Is Related to Carboxyl-Containing Organic Compounds. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11742-11751	10.3	9
151	Response of photosynthesis and the antioxidant defense system of two microalgal species ( <i>Alexandrium minutum</i> and <i>Dunaliella salina</i> ) to the toxicity of BDE-47. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 124, 459-469	6.7	30
150	Iodine and plutonium association with natural organic matter: A review of recent advances. <i>Applied Geochemistry</i> , <b>2017</b> , 85, 121-127	3.5	26
149	Importance of coccolithophore-associated organic biopolymers for fractionating particle-reactive radionuclides ( <sup>234</sup> Th, <sup>233</sup> Pa, <sup>210</sup> Pb, <sup>210</sup> Po, and <sup>7</sup> Be) in the ocean. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 2033-2045	3.7	3

148	The role of microbial exopolymers in determining the fate of oil and chemical dispersants in the ocean. <i>Limnology and Oceanography Letters</i> , <b>2016</b> , 1, 3-26	7.9	71
147	Role of natural organic matter on iodine and (239),(240)Pu distribution and mobility in environmental samples from the northwestern Fukushima Prefecture, Japan. <i>Journal of Environmental Radioactivity</i> , <b>2016</b> , 153, 156-166	2.4	34
146	Widespread Distribution of Dehalococcoides mccartyi in the Houston Ship Channel and Galveston Bay, Texas, Sediments and the Potential for Reductive Dechlorination of PCDD/F in an Estuarine Environment. <i>Marine Biotechnology</i> , <b>2016</b> , 18, 630-644	3.4	16
145	Unique Organic Matter and Microbial Properties in the Rhizosphere of a Wetland Soil. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 4169-77	10.3	28
144	Influence of organic matter on the adsorption of 210Pb, 210Po and 7Be and their fractionation on nanoparticles in seawater. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 423, 193-201	5.3	28
143	Binding of Th, Pa, Pb, Po and Be radionuclides to marine colloidal macromolecular organic matter. <i>Marine Chemistry</i> , <b>2015</b> , 173, 320-329	3.7	32
142	Methods for analyzing the concentration and speciation of major and trace elements in marine particles. <i>Progress in Oceanography</i> , <b>2015</b> , 133, 32-42	3.8	31
141	Evidence for Hydroxamate Siderophores and Other N-Containing Organic Compounds Controlling (239,240)Pu Immobilization and Remobilization in a Wetland Sediment. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 11458-67	10.3	27
140	Radioiodine sorption/desorption and speciation transformation by subsurface sediments from the Hanford Site. <i>Journal of Environmental Radioactivity</i> , <b>2015</b> , 139, 43-55	2.4	36
139	Molecular level characterization of diatom-associated biopolymers that bind 234Th, 233Pa, 210Pb, and 7Be in seawater: A case study with Phaeodactylum tricornutum. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2015</b> , 120, 1858-1869	3.7	8
138	Speciation of iodine isotopes inside and outside of a contaminant plume at the Savannah River Site. <i>Science of the Total Environment</i> , <b>2014</b> , 497-498, 671-678	10.2	11
137	Plutonium immobilization and remobilization by soil mineral and organic matter in the far-field of the Savannah River Site, U.S. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 3186-95	10.3	27
136	Temporal variation of iodine concentration and speciation (127I and 129I) in wetland groundwater from the Savannah River Site, USA. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 11218-26	10.3	14
135	Increased zooplankton PAH concentrations across hydrographic fronts in the East China Sea. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 83, 248-57	6.7	11
134	Radioiodine concentrated in a wetland. <i>Journal of Environmental Radioactivity</i> , <b>2014</b> , 131, 57-61	2.4	24
133	Important role of biomolecules from diatoms in the scavenging of particle-reactive radionuclides of thorium, protactinium, lead, polonium, and beryllium in the ocean: A case study with Phaeodactylum tricornutum. <i>Limnology and Oceanography</i> , <b>2014</b> , 59, 1256-1266	4.8	23
132	Superoxide production by a manganese-oxidizing bacterium facilitates iodide oxidation. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 2693-9	4.8	29
131	Geochemical controls of iodine uptake and transport in Savannah River Site subsurface sediments. <i>Applied Geochemistry</i> , <b>2014</b> , 45, 105-113	3.5	21

130	Direct and Indirect Toxic Effects of Engineered Nanoparticles on Algae: Role of Natural Organic Matter. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 686-702	8.3	124
129	Role of biopolymers as major carrier phases of Th, Pa, Pb, Po, and Be radionuclides in settling particles from the Atlantic Ocean. <i>Marine Chemistry</i> , <b>2013</b> , 157, 131-143	3.7	34
128	Adsorption characteristics of <sup>210</sup> Pb, <sup>210</sup> Po and <sup>7</sup> Be onto micro-particle surfaces and the effects of macromolecular organic compounds. <i>Geochimica Et Cosmochimica Acta</i> , <b>2013</b> , 107, 47-64	5.5	40
127	Ameliorating effects of extracellular polymeric substances excreted by <i>Thalassiosira pseudonana</i> on algal toxicity of CdSe quantum dots. <i>Aquatic Toxicology</i> , <b>2013</b> , 126, 214-23	5.1	58
126	Novel molecular-level evidence of iodine binding to natural organic matter from Fourier transform ion cyclotron resonance mass spectrometry. <i>Science of the Total Environment</i> , <b>2013</b> , 449, 244-52	10.2	50
125	Relationships Between Geochemical Parameters (pH, DOC, SPM, EDTA Concentrations) and Trace Metal (Cd, Co, Cu, Fe, Mn, Ni, Pb, Zn) Concentrations in River Waters of Texas (USA). <i>Aquatic Geochemistry</i> , <b>2013</b> , 19, 173-193	1.7	15
124	Iodine-129 and iodine-127 speciation in groundwater at the Hanford site, US: iodate incorporation into calcite. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 9635-42	10.3	65
123	Response to comment on "Iodine-129 and iodine-127 speciation in groundwater at Hanford Site, U.S.: iodate incorporation into calcite". <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 13205-6	10.3	2
122	Bacterial production of organic acids enhances H <sub>2</sub> O <sub>2</sub> -dependent iodide oxidation. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 4837-44	10.3	44
121	<sup>234</sup> Th in different size classes of sediment trap collected particles from the Northwestern Pacific Ocean. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 91, 60-74	5.5	31
120	Molecular environment of stable iodine and radioiodine ( <sup>129</sup> I) in natural organic matter: Evidence inferred from NMR and binding experiments at environmentally relevant concentrations. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 97, 166-182	5.5	49
119	Collection of lanthanides and actinides from natural waters with conventional and nanoporous sorbents. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 11251-8	10.3	77
118	Aggregation, dissolution, and stability of quantum dots in marine environments: importance of extracellular polymeric substances. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 8764-72	10.3	100
117	Is soil natural organic matter a sink or source for mobile radioiodine ( <sup>129</sup> I) at the Savannah River Site?. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 5716-5735	5.5	63
116	Effects of engineered nanoparticles on the assembly of exopolymeric substances from phytoplankton. <i>PLoS ONE</i> , <b>2011</b> , 6, e21865	3.7	62
115	Factors controlling mobility of <sup>127</sup> I and <sup>129</sup> I species in an acidic groundwater plume at the Savannah River Site. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 3857-65	10.2	55
114	Chemical composition and relative hydrophobicity of microbial exopolymeric substances (EPS) isolated by anion exchange chromatography and their actinide-binding affinities. <i>Marine Chemistry</i> , <b>2011</b> , 126, 27-36	3.7	71
113	Molecular weight and chemical reactivity of dissolved trace metals (Cd, Cu, Ni) in surface waters from the Mississippi River to Gulf of Mexico. <i>Estuarine, Coastal and Shelf Science</i> , <b>2011</b> , 92, 649-658	2.9	17

112	Sequestration and remobilization of radioiodine (129I) by soil organic matter and possible consequences of the remedial action at Savannah River Site. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 9975-83	10.3	62
111	Evaluation of a radioiodine plume increasing in concentration at the Savannah River Site. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 489-95	10.3	50
110	Controls of 234Th removal from the oligotrophic ocean by polyuronic acids and modification by microbial activity. <i>Marine Chemistry</i> , <b>2011</b> , 123, 111-126	3.7	31
109	Iodide accumulation by aerobic bacteria isolated from subsurface sediments of a 129I-contaminated aquifer at the Savannah River site, South Carolina. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 2153-60	4.8	30
108	Intracellular uptake: a possible mechanism for silver engineered nanoparticle toxicity to a freshwater alga <i>Ochromonas danica</i> . <i>PLoS ONE</i> , <b>2010</b> , 5, e15196	3.7	143
107	Impacts of Dredging Activities on the Accumulation of Dioxins in Surface Sediments of the Houston Ship Channel, Texas. <i>Journal of Coastal Research</i> , <b>2010</b> , 264, 743-752	0.6	13
106	Polymer dynamics of DOC networks and gel formation in seawater. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2010</b> , 57, 1486-1493	2.3	90
105	Zinc oxide-engineered nanoparticles: dissolution and toxicity to marine phytoplankton. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 2814-22	3.8	190
104	Comparative evaluation of sediment trap and 234Th-derived POC fluxes from the upper oligotrophic waters of the Gulf of Mexico and the subtropical northwestern Pacific Ocean. <i>Marine Chemistry</i> , <b>2010</b> , 121, 132-144	3.7	40
103	Application of cross-flow ultrafiltration for isolating exopolymeric substances from a marine diatom ( <i>Amphora</i> sp.). <i>Limnology and Oceanography: Methods</i> , <b>2009</b> , 7, 419-429	2.6	26
102	Spontaneous Assembly of Exopolymers from Phytoplankton. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2009</b> , 20, 741	1.8	34
101	Delivery of Trace Metals (Al, Fe, Mn, V, Co, Ni, Cu, Cd, Ag, Pb) from the Trinity River Watershed Towards the Ocean. <i>Estuaries and Coasts</i> , <b>2009</b> , 32, 158-172	2.8	15
100	Optimized isolation procedure for obtaining strongly actinide binding exopolymeric substances (EPS) from two bacteria ( <i>Sagittula stellata</i> and <i>Pseudomonas fluorescens</i> Biovar II). <i>Bioresource Technology</i> , <b>2009</b> , 100, 6010-21	11	25
99	Organo-iodine formation in soils and aquifer sediments at ambient concentrations. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 7258-64	10.3	71
98	The algal toxicity of silver engineered nanoparticles and detoxification by exopolymeric substances. <i>Environmental Pollution</i> , <b>2009</b> , 157, 3034-41	9.3	329
97	Scavenging and fractionation of thorium vs. protactinium in the ocean, as determined from particle-water partitioning experiments with sediment trap material from the Gulf of Mexico and Sargasso Sea. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 286, 131-138	5.3	34
96	Causes of Salt Marsh Erosion in Galveston Bay, Texas. <i>Journal of Coastal Research</i> , <b>2009</b> , 252, 265-272	0.6	45
95	The cycling and oxidation pathways of organic carbon in a shallow estuary along the Texas Gulf Coast. <i>Estuarine, Coastal and Shelf Science</i> , <b>2008</b> , 76, 69-84	2.9	11

94	Comment on How accurate are <sup>234</sup> Th measurements in seawater based on the MnO <sub>2</sub> -impregnated cartridge technique? by Pinghe Cai et al.. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2008</b> , 9, n/a-n/a	3.6	5
93	Amphiphilic exopolymers from <i>Sagittula stellata</i> induce DOM self-assembly and formation of marine microgels. <i>Marine Chemistry</i> , <b>2008</b> , 112, 11-19	3.7	79
92	The role of organic carbon, iron, and aluminium oxyhydroxides as trace metal carriers: Comparison between the Trinity River and the Trinity River Estuary (Galveston Bay, Texas). <i>Marine Chemistry</i> , <b>2008</b> , 112, 20-37	3.7	46
91	Colloidal cutin-like substances cross-linked to siderophore decomposition products mobilizing plutonium from contaminated soils. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 8211-7	10.3	54
90	Pu(V) reduction and enhancement of particle-water partitioning by exopolymeric substances. <i>Radiochimica Acta</i> , <b>2008</b> , 96, 739-745	1.9	16
89	Environmental behavior and ecotoxicity of engineered nanoparticles to algae, plants, and fungi. <i>Ecotoxicology</i> , <b>2008</b> , 17, 372-86	2.9	1234
88	Chemical composition and <sup>234</sup> Th (IV) binding of extracellular polymeric substances (EPS) produced by the marine diatom <i>Amphora</i> sp.. <i>Marine Chemistry</i> , <b>2008</b> , 112, 81-92	3.7	47
87	Dioxin chronology and fluxes in sediments of the Houston Ship Channel, Texas: influences of non-steady-state sediment transport and total organic carbon. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 5291-8	10.3	35
86	Colloid-Trace Element Interactions in Aquatic Systems <b>2007</b> , 95-157		13
85	Ultrafiltration and its Applications to Sampling and Characterisation of Aquatic Colloids <b>2007</b> , 159-221		37
84	Carbon isotopes and iodine concentrations in a Mississippi River delta core recording land use, sediment transport, and dam building in the river's drainage basin. <i>Marine Environmental Research</i> , <b>2007</b> , 63, 278-90	3.3	11
83	Protective Role of Alginic Acid Against Metal Uptake by American Oyster ( <i>Crassostrea virginica</i> ). <i>Environmental Chemistry</i> , <b>2006</b> , 3, 172	3.2	15
82	An assessment of particulate organic carbon to thorium-234 ratios in the ocean and their impact on the application of <sup>234</sup> Th as a POC flux proxy. <i>Marine Chemistry</i> , <b>2006</b> , 100, 213-233	3.7	209
81	Binding of thorium(IV) to carboxylate, phosphate and sulfate functional groups from marine exopolymeric substances (EPS). <i>Marine Chemistry</i> , <b>2006</b> , 100, 337-353	3.7	59
80	Thorium speciation in seawater. <i>Marine Chemistry</i> , <b>2006</b> , 100, 250-268	3.7	118
79	Physicochemical speciation of bioactive trace metals (Cd, Cu, Fe, Ni) in the oligotrophic South China Sea. <i>Marine Chemistry</i> , <b>2006</b> , 101, 104-129	3.7	61
78	A seasonal survey of carbohydrates and uronic acids in the Trinity River, Texas. <i>Organic Geochemistry</i> , <b>2005</b> , 36, 463-474	3.1	38
77	Near-conservative behavior of <sup>129</sup> I in the orange county aquifer system, California. <i>Applied Geochemistry</i> , <b>2005</b> , 20, 1461-1472	3.5	17



76	The dissolved organic iodine species of the isotopic ratio of $^{129}\text{I}/^{127}\text{I}$ : A novel tool for tracing terrestrial organic carbon in the estuarine surface waters of Galveston Bay, Texas. <i>Limnology and Oceanography: Methods</i> , <b>2005</b> , 3, 326-337	2.6	41
75	Trace metal (Cd, Cu, Ni and Pb) partitioning, affinities and removal in the Danshuei River estuary, a macro-tidal, temporally anoxic estuary in Taiwan. <i>Marine Chemistry</i> , <b>2005</b> , 96, 293-313	3.7	59
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51	Composition and transport of settling particles in Lake Zurich: relative importance of vertical and lateral pathways. <i>Aquatic Sciences</i> , <b>2001</b> , 63, 123-149	2.5	10
50	Sediment-water exchange of Mn, Fe, Ni and Zn in Galveston Bay, Texas. <i>Marine Chemistry</i> , <b>2001</b> , 73, 215-331	3.7	78
49	Historical contamination of PAHs, PCBs, DDTs, and heavy metals in Mississippi River Delta, Galveston Bay and Tampa Bay sediment cores. <i>Marine Environmental Research</i> , <b>2001</b> , 52, 51-79	3.3	199
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32	Colloidal and Particulate Silver in River and Estuarine Waters of Texas. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 723-731	10.3	117
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