Peter H Santschi

List of Publications by Year
in descending order

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203	15,244	13865	20961
papers	citations	67 h-index	115 g-index

207	207	207	10423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large seasonal fluctuations of groundwater radioiodine speciation and concentrations in a riparian wetland in South Carolina. Science of the Total Environment, 2022, 816, 151548.	8.0	2
2	Stickiness of extracellular polymeric substances on different surfaces via magnetic tweezers. Science of the Total Environment, 2021, 757, 143766.	8.0	16
3	Photo-oxidation of proteins facilitates the preservation of high molecular weight dissolved organic nitrogen in the ocean. Marine Chemistry, 2021, 229, 103907.	2.3	7
4	Molecular Level Characterization of Diatom and Coccolithophore-Associated Biopolymers That Are Binding 210Pb and 210Po in Seawater. Frontiers in Marine Science, 2021, 8, .	2.5	5
5	Aggregation and Degradation of Dispersants and Oil by Microbial Exopolymers (ADDOMEx): Toward a Synthesis of Processes and Pathways of Marine Oil Snow Formation in Determining the Fate of Hydrocarbons. Frontiers in Marine Science, 2021, 8, .	2.5	1
6	Marine Gel Interactions with Hydrophilic and Hydrophobic Pollutants. Gels, 2021, 7, 83.	4.5	13
7	From Nano-Gels to Marine Snow: A Synthesis of Gel Formation Processes and Modeling Efforts Involved with Particle Flux in the Ocean. Gels, 2021, 7, 114.	4.5	21
8	The Interplay of Phototrophic and Heterotrophic Microbes Under Oil Exposure: A Microcosm Study. Frontiers in Microbiology, 2021, 12, 675328.	3.5	6
9	Can the protein/carbohydrate (P/C) ratio of exopolymeric substances (EPS) be used as a proxy for their â€˜stickinessâ€™ and aggregation propensity?. Marine Chemistry, 2020, 218, 103734.	2.3	63
10	Nano-plastics induce aquatic particulate organic matter (microgels) formation. Science of the Total Environment, 2020, 706, 135681.	8.0	55
11	Incorporation of Hydroxamate Siderophore and Associated Fe Into Marine Particles in Natural Seawater. Frontiers in Marine Science, 2020, 7, .	2.5	2
12	Nano- and microplastics trigger secretion of protein-rich extracellular polymeric substances from phytoplankton. Science of the Total Environment, 2020, 748, 141469.	8.0	80
13	Marine Snow Aggregates are Enriched in Polycyclic Aromatic Hydrocarbons (PAHs) in Oil Contaminated Waters: Insights from a Mesocosm Study. Journal of Marine Science and Engineering, 2020, 8, 781.	2.6	13
14	Exoenzymes as a Signature of Microbial Response to Marine Environmental Conditions. MSystems, 2020, 5, .	3.8	13
15	Protein to carbohydrate (P/C) ratio changes in microbial extracellular polymeric substances induced by oil and Corexit. Marine Chemistry, 2020, 223, 103789.	2.3	26
16	Polycyclic aromatic hydrocarbons (PAHs) and putative PAH-degrading bacteria in Galveston Bay, TX (USA), following Hurricane Harvey (2017). Environmental Science and Pollution Research, 2020, 27, 34987-34999.	5.3	26
17	Diatom aggregation when exposed to crude oil and chemical dispersant: Potential impacts of ocean acidification. PLoS ONE, 2020, 15, e0235473.	2.5	10
18	Polycyclic aromatic hydrocarbons (PAHs) cycling and fates in Galveston Bay, Texas, USA. PLoS ONE, 2020, 15, e0243734.	2.5	9

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19	The interplay of extracellular polymeric substances and oil/Corexit to affect the petroleum incorporation into sinking marine oil snow in four mesocosms. Science of the Total Environment, 2019, 693, 133626.	8.0	15
20	Molecular Interaction of Aqueous Iodine Species with Humic Acid Studied by I and C K-Edge X-ray Absorption Spectroscopy. Environmental Science & Technology, 2019, 53, 12416-12424.	10.0	8
21	Comparison of microgels, extracellular polymeric substances (EPS) and transparent exopolymeric particles (TEP) determined in seawater with and without oil. Marine Chemistry, 2019, 215, 103667.	2.3	23
22	Nagasaki sediments reveal that long-term fate of plutonium is controlled by select organic matter moieties. Science of the Total Environment, 2019, 678, 409-418.	8.0	14
23	Iodine speciation in a silver-amended cementitious system. Environment International, 2019, 126, 576-584.	10.0	15
24	Rapid Degradation of Oil in Mesocosm Simulations of Marine Oil Snow Events. Environmental Science & Technology, 2019, 53, 3441-3450.	10.0	21
25	Iodine speciation in cementitious environments. Applied Geochemistry, 2019, 103, 15-22.	3.0	13
26	Impact of exposure of crude oil and dispersant (Corexit) on aggregation of extracellular polymeric substances. Science of the Total Environment, 2019, 657, 1535-1542.	8.0	22
27	Sunlight induced aggregation of dissolved organic matter: Role of proteins in linking organic carbon and nitrogen cycling in seawater. Science of the Total Environment, 2019, 654, 872-877.	8.0	25
28	Response of natural phytoplankton communities exposed to crude oil and chemical dispersants during a mesocosm experiment. Aquatic Toxicology, 2019, 206, 43-53.	4.0	28
29	Incorporation of oil into diatom aggregates. Marine Ecology - Progress Series, 2019, 612, 65-86.	1.9	33
30	Centennial record of anthropogenic impacts in Galveston Bay: Evidence from trace metals (Hg, Pb, Ni,) Tj ETQq0 0 0 rgBT /Overlock 10 T	7.5	17
31	Mercury inputs and redistribution in the Penobscot River and estuary, Maine. Science of the Total Environment, 2018, 622-623, 172-183.	8.0	16
32	Sediment accumulation and mixing in the Penobscot River and estuary, Maine. Science of the Total Environment, 2018, 635, 228-239.	8.0	8
33	Limited mobility of dioxins near San Jacinto super fund site (waste pit) in the Houston Ship Channel, Texas due to strong sediment sorption. Environmental Pollution, 2018, 238, 988-998.	7.5	13
34	Diagnostic tool to ascertain marine phytoplankton exposure to chemically enhanced water accommodated fraction of oil using Fourier Transform Infrared spectroscopy. Marine Pollution Bulletin, 2018, 130, 170-178.	5.0	7
35	Radionuclide uptake by colloidal and particulate humic acids obtained from 14 soils collected worldwide. Scientific Reports, 2018, 8, 4795.	3.3	9
36	Biogenic Manganese Oxides Facilitate Iodide Oxidation at pH â‰¥ 5. Geomicrobiology Journal, 2018, 35, 167-173.	2.0	7

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37	Identifying oil/marine snow associations in mesocosm simulations of the Deepwater Horizon oil spill event using solid-state 13C NMR spectroscopy. Marine Pollution Bulletin, 2018, 126, 159-165.	5.0	29
38	Marine colloids, agents of the self-cleansing capacity of aquatic systems: Historical perspective and new discoveries. Marine Chemistry, 2018, 207, 124-135.	2.3	50
39	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. Marine Chemistry, 2018, 206, 84-92.	2.3	33
40	The role of microbially-mediated exopolymeric substances (EPS) in regulating Macondo oil transport in a mesocosm experiment. Marine Chemistry, 2018, 206, 52-61.	2.3	26
41	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. Marine Chemistry, 2018, 206, 34-43.	2.3	24
42	The effects of sunlight on the composition of exopolymeric substances and subsequent aggregate formation during oil spills. Marine Chemistry, 2018, 203, 49-54.	2.3	27
43	Rapid Formation of Microbe-Oil Aggregates and Changes in Community Composition in Coastal Surface Water Following Exposure to Oil and the Dispersant Corexit. Frontiers in Microbiology, 2018, 9, 689.	3.5	72
44	Extracellular Enzyme Activity Profile in a Chemically Enhanced Water Accommodated Fraction of Surrogate Oil: Toward Understanding Microbial Activities After the Deepwater Horizon Oil Spill. Frontiers in Microbiology, 2018, 9, 798.	3.5	30
45	Sorption of selected radionuclides on different MnO2 phases. Environmental Chemistry, 2017, 14, 207.	1.5	6
46	Light-induced aggregation of microbial exopolymeric substances. Chemosphere, 2017, 181, 675-681.	8.2	34
47	Estimates of recovery of the Penobscot River and estuarine system from mercury contamination in the 1960's. Science of the Total Environment, 2017, 596-597, 351-359.	8.0	19
48	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. Journal of Environmental Radioactivity, 2017, 171, 226-233.	1.7	31
49	Plutonium Partitioning Behavior to Humic Acids from Widely Varying Soils Is Related to Carboxyl-Containing Organic Compounds. Environmental Science & Technology, 2017, 51, 11742-11751.	10.0	13
50	Response of photosynthesis and the antioxidant defense system of two microalgal species (Alexandrium minutum and Dunaliella salina) to the toxicity of BDE-47. Marine Pollution Bulletin, 2017, 124, 459-469.	5.0	40
51	Iodine and plutonium association with natural organic matter: A review of recent advances. Applied Geochemistry, 2017, 85, 121-127.	3.0	40
52	Microbial Transformation of Iodine: From Radioisotopes to Iodine Deficiency. Advances in Applied Microbiology, 2017, 101, 83-136.	2.4	36
53	Effect of Engineered Nanoparticles on Exopolymeric Substances Release from Marine Phytoplankton. Nanoscale Research Letters, 2017, 12, 620.	5.7	36
54	Importance of coccolithophoreâ€associated organic biopolymers for fractionating particleâ€reactive radionuclides (²³⁴Th, ²³³Pa, ²¹⁰Pb, ²¹⁰Po, and) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.0	5

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55	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. Marine Biotechnology, 2016, 18, 630-644.	2.4	17
56	Unique Organic Matter and Microbial Properties in the Rhizosphere of a Wetland Soil. Environmental Science & Technology, 2016, 50, 4169-4177.	10.0	48
57	The role of microbial exopolymers in determining the fate of oil and chemical dispersants in the ocean. Limnology and Oceanography Letters, 2016, 1, 3-26.	3.9	105
58	Clean Sampling and Analysis of River and Estuarine Waters for Trace Metal Studies. Journal of Visualized Experiments, 2016, , .	0.3	0
59	Role of natural organic matter on iodine and 239,240Pu distribution and mobility in environmental samples from the northwestern Fukushima Prefecture, Japan. Journal of Environmental Radioactivity, 2016, 153, 156-166.	1.7	46
60	Molecular level characterization of diatomâ€associated biopolymers that bind ²³⁴Th, ²³³Pa, ²¹⁰Pb, and ⁷Be in seawater: A case study with Phaeodactylum tricornutum. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1858-1869.	3.0	11
61	Influence of organic matter on the adsorption of 210Pb, 210Po and 7Be and their fractionation on nanoparticles in seawater. Earth and Planetary Science Letters, 2015, 423, 193-201.	4.4	34
62	Binding of Th, Pa, Pb, Po and Be radionuclides to marine colloidal macromolecular organic matter. Marine Chemistry, 2015, 173, 320-329.	2.3	38
63	Methods for analyzing the concentration and speciation of major and trace elements in marine particles. Progress in Oceanography, 2015, 133, 32-42.	3.2	37
64	Evidence for Hydroxamate Siderophores and Other N-Containing Organic Compounds Controlling ^{239,240}Pu Immobilization and Remobilization in a Wetland Sediment. Environmental Science & Technology, 2015, 49, 11458-11467.	10.0	33
65	Radioiodine sorption/desorption and speciation transformation by subsurface sediments from the Hanford Site. Journal of Environmental Radioactivity, 2015, 139, 43-55.	1.7	48
66	Superoxide Production by a Manganese-Oxidizing Bacterium Facilitates Iodide Oxidation. Applied and Environmental Microbiology, 2014, 80, 2693-2699.	3.1	41
67	Geochemical controls of iodine uptake and transport in Savannah River Site subsurface sediments. Applied Geochemistry, 2014, 45, 105-113.	3.0	22
68	Speciation of iodine isotopes inside and outside of a contaminant plume at the Savannah River Site. Science of the Total Environment, 2014, 497-498, 671-678.	8.0	14
69	Plutonium Immobilization and Remobilization by Soil Mineral and Organic Matter in the Far-Field of the Savannah River Site, U.S.. Environmental Science & Technology, 2014, 48, 3186-3195.	10.0	30
70	Temporal Variation of Iodine Concentration and Speciation (¹²⁷I and ¹²⁹I) in Wetland Groundwater from the Savannah River Site, USA. Environmental Science & Technology, 2014, 48, 11218-11226.	10.0	17
71	Increased zooplankton PAH concentrations across hydrographic fronts in the East China Sea. Marine Pollution Bulletin, 2014, 83, 248-257.	5.0	14
72	Radioiodine concentrated in a wetland. Journal of Environmental Radioactivity, 2014, 131, 57-61.	1.7	28

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73	Important role of biomolecules from diatoms in the scavenging of particleâ€reactive radionuclides of thorium, protactinium, lead, polonium, and beryllium in the ocean: A case study with Phaeodactylum tricornutum. Limnology and Oceanography, 2014, 59, 1256-1266.	3.1	26
74	Direct and Indirect Toxic Effects of Engineered Nanoparticles on Algae: Role of Natural Organic Matter. ACS Sustainable Chemistry and Engineering, 2013, 1, 686-702.	6.7	154
75	Role of biopolymers as major carrier phases of Th, Pa, Pb, Po, and Be radionuclides in settling particles from the Atlantic Ocean. Marine Chemistry, 2013, 157, 131-143.	2.3	44
76	Adsorption characteristics of 210Pb, 210Po and 7Be onto micro-particle surfaces and the effects of macromolecular organic compounds. Geochimica Et Cosmochimica Acta, 2013, 107, 47-64.	3.9	51
77	Ameliorating effects of extracellular polymeric substances excreted by Thalassiosira pseudonana on algal toxicity of CdSe quantum dots. Aquatic Toxicology, 2013, 126, 214-223.	4.0	64
78	Novel molecular-level evidence of iodine binding to natural organic matter from Fourier transform ion cyclotron resonance mass spectrometry. Science of the Total Environment, 2013, 449, 244-252.	8.0	65
79	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). Aquatic Geochemistry, 2013, 19, 173-193.	1.3	20
80	Iodine-129 and Iodine-127 Speciation in Groundwater at the Hanford Site, U.S.: Iodate Incorporation into Calcite. Environmental Science & Technology, 2013, 47, 9635-9642.	10.0	86
81	Response to Comment on â€œIodine-129 and Iodine-127 Speciation in Groundwater at Hanford Site, U.S.: Iodate Incorporation into Calciteâ€• Environmental Science & Technology, 2013, 47, 13205-13206.	10.0	3
82	Bacterial Production of Organic Acids Enhances H₂O₂-Dependent Iodide Oxidation. Environmental Science & Technology, 2012, 46, 4837-4844.	10.0	54
83	234Th in different size classes of sediment trap collected particles from the Northwestern Pacific Ocean. Geochimica Et Cosmochimica Acta, 2012, 91, 60-74.	3.9	37
84	Molecular environment of stable iodine and radioiodine (129I) in natural organic matter: Evidence inferred from NMR and binding experiments at environmentally relevant concentrations. Geochimica Et Cosmochimica Acta, 2012, 97, 166-182.	3.9	59
85	Collection of Lanthanides and Actinides from Natural Waters with Conventional and Nanoporous Sorbents. Environmental Science & Technology, 2012, 46, 11251-11258.	10.0	88
86	Aggregation, Dissolution, and Stability of Quantum Dots in Marine Environments: Importance of Extracellular Polymeric Substances. Environmental Science & Technology, 2012, 46, 8764-8772.	10.0	113
87	Sequestration and Remobilization of Radioiodine (¹²⁹I) by Soil Organic Matter and Possible Consequences of the Remedial Action at Savannah River Site. Environmental Science & Technology, 2011, 45, 9975-9983.	10.0	74
88	Evaluation of a Radioiodine Plume Increasing in Concentration at the Savannah River Site. Environmental Science & Technology, 2011, 45, 489-495.	10.0	56
89	Is soil natural organic matter a sink or source for mobile radioiodine (129I) at the Savannah River Site?. Geochimica Et Cosmochimica Acta, 2011, 75, 5716-5735.	3.9	68
90	Effects of Engineered Nanoparticles on the Assembly of Exopolymeric Substances from Phytoplankton. PLoS ONE, 2011, 6, e21865.	2.5	80

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91	Factors controlling mobility of 127I and 129I species in an acidic groundwater plume at the Savannah River Site. Science of the Total Environment, 2011, 409, 3857-3865.	8.0	66
92	Chemical composition and relative hydrophobicity of microbial exopolymeric substances (EPS) isolated by anion exchange chromatography and their actinide-binding affinities. Marine Chemistry, 2011, 126, 27-36.	2.3	93
93	Molecular weight and chemical reactivity of dissolved trace metals (Cd, Cu, Ni) in surface waters from the Mississippi River to Gulf of Mexico. Estuarine, Coastal and Shelf Science, 2011, 92, 649-658.	2.1	23
94	Controls of 234Th removal from the oligotrophic ocean by polyuronic acids and modification by microbial activity. Marine Chemistry, 2011, 123, 111-126.	2.3	38
95	Iodide Accumulation by Aerobic Bacteria Isolated from Subsurface Sediments of a ¹²⁹I-Contaminated Aquifer at the Savannah River Site, South Carolina. Applied and Environmental Microbiology, 2011, 77, 2153-2160.	3.1	37
96	Zinc oxideâ€“engineered nanoparticles: Dissolution and toxicity to marine phytoplankton. Environmental Toxicology and Chemistry, 2010, 29, 2814-2822.	4.3	221
97	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. Marine Chemistry, 2010, 121, 132-144.	2.3	51
98	Intracellular Uptake: A Possible Mechanism for Silver Engineered Nanoparticle Toxicity to a Freshwater Alga Ochromonas danica. PLoS ONE, 2010, 5, e15196.	2.5	161
99	Impacts of Dredging Activities on the Accumulation of Dioxins in Surface Sediments of the Houston Ship Channel, Texas. Journal of Coastal Research, 2010, 264, 743-752.	0.3	17
100	Polymer dynamics of DOC networks and gel formation in seawater. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1486-1493.	1.4	110
101	Application of cross-flow ultrafiltration for isolating exopolymeric substances from a marine diatom (Amphorasp.). Limnology and Oceanography: Methods, 2009, 7, 419-429.	2.0	27
102	Spontaneous Assembly of Exopolymers from Phytoplankton. Terrestrial, Atmospheric and Oceanic Sciences, 2009, 20, 741.	0.6	39
103	Delivery of Trace Metals (Al, Fe, Mn, V, Co, Ni, Cu, Cd, Ag, Pb) from the Trinity River Watershed Towards the Ocean. Estuaries and Coasts, 2009, 32, 158-172.	2.2	26
104	Optimized isolation procedure for obtaining strongly actinide binding exopolymeric substances (EPS) from two bacteria (Sagittula stellata and Pseudomonas fluorescens Biovar II). Bioresource Technology, 2009, 100, 6010-6021.	9.6	29
105	Organo-Iodine Formation in Soils and Aquifer Sediments at Ambient Concentrations. Environmental Science & Technology, 2009, 43, 7258-7264.	10.0	81
106	The algal toxicity of silver engineered nanoparticles and detoxification by exopolymeric substances. Environmental Pollution, 2009, 157, 3034-3041.	7.5	362
107	Scavenging and fractionation of thorium vs. protactinium in the ocean, as determined from particleâ€“water partitioning experiments with sediment trap material from the Gulf of Mexico and Sargasso Sea. Earth and Planetary Science Letters, 2009, 286, 131-138.	4.4	37
108	Causes of Salt Marsh Erosion in Galveston Bay, Texas. Journal of Coastal Research, 2009, 252, 265-272.	0.3	55

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109	Environmental behavior and ecotoxicity of engineered nanoparticles to algae, plants, and fungi. Ecotoxicology, 2008, 17, 372-386.	2.4	1,459
110	Chemical composition and 234Th (IV) binding of extracellular polymeric substances (EPS) produced by the marine diatom Amphora sp.. Marine Chemistry, 2008, 112, 81-92.	2.3	53
111	The cycling and oxidation pathways of organic carbon in a shallow estuary along the Texas Gulf Coast. Estuarine, Coastal and Shelf Science, 2008, 76, 69-84.	2.1	14
112	Comment on â€œHow accurate are ²³⁴Th measurements in seawater based on the MnO₂â€impregnated cartridge technique?â€•by Pinghe Cai et al.. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	5
113	Amphiphilic exopolymers from Sagittula stellata induce DOM self-assembly and formation of marine microgels. Marine Chemistry, 2008, 112, 11-19.	2.3	93
114	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). Marine Chemistry, 2008, 112, 20-37.	2.3	50
115	Colloidal Cutin-Like Substances Cross-Linked to Siderophore Decomposition Products Mobilizing Plutonium from Contaminated Soils. Environmental Science & Technology, 2008, 42, 8211-8217.	10.0	62
116	Pu(V) reduction and enhancement of particle-water partitioning by exopolymeric substances. Radiochimica Acta, 2008, 96, 739-745.	1.2	16
117	Carbon isotopes and iodine concentrations in a Mississippi River delta core recording land use, sediment transport, and dam building in the riverâ€™s drainage basin. Marine Environmental Research, 2007, 63, 278-290.	2.5	12
118	Dioxin Chronology and Fluxes in Sediments of the Houston Ship Channel, Texas:Â Influences of Non-Steady-State Sediment Transport and Total Organic Carbon. Environmental Science & Technology, 2007, 41, 5291-5298.	10.0	40
119	Colloid-Trace Element Interactions in Aquatic Systems. , 2007, , 95-157.		19
120	Ultrafiltration and its Applications to Sampling and Characterisation of Aquatic Colloids. , 2007, , 159-221.		59
121	Protective Role of Alginic Acid Against Metal Uptake by American Oyster (Crassostrea virginica). Environmental Chemistry, 2006, 3, 172.	1.5	15
122	An assessment of particulate organic carbon to thorium-234 ratios in the ocean and their impact on the application of 234Th as a POC flux proxy. Marine Chemistry, 2006, 100, 213-233.	2.3	245
123	Binding of thorium(IV) to carboxylate, phosphate and sulfate functional groups from marine exopolymeric substances (EPS). Marine Chemistry, 2006, 100, 337-353.	2.3	64
124	Thorium speciation in seawater. Marine Chemistry, 2006, 100, 250-268.	2.3	142
125	Physicochemical speciation of bioactive trace metals (Cd, Cu, Fe, Ni) in the oligotrophic South China Sea. Marine Chemistry, 2006, 101, 104-129.	2.3	73
126	The dissolved organic iodine species of the isotopic ratio of ¹²⁹I/¹²⁷I: A novel tool for tracing terrestrial organic carbon in the estuarine surface waters of Galveston Bay, Texas. Limnology and Oceanography: Methods, 2005, 3, 326-337.	2.0	49

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127	Trace metal (Cd, Cu, Ni and Pb) partitioning, affinities and removal in the Danshuei River estuary, a macro-tidal, temporally anoxic estuary in Taiwan. Marine Chemistry, 2005, 96, 293-313.	2.3	66
128	Isolation and characterization of extracellular polysaccharides produced by Pseudomonas fluorescens Biovar II. Carbohydrate Polymers, 2005, 61, 141-147.	10.2	65
129	A seasonal survey of carbohydrates and uronic acids in the Trinity River, Texas. Organic Geochemistry, 2005, 36, 463-474.	1.8	42
130	Near-conservative behavior of 129I in the orange county aquifer system, California. Applied Geochemistry, 2005, 20, 1461-1472.	3.0	21
131	129I/127I as a new environmental tracer or geochronometer for biogeochemical or hydrodynamic processes in the hydrosphere and geosphere: the central role of organo-iodine. Science of the Total Environment, 2004, 321, 257-271.	8.0	71
132	Biogeochemical behavior of organic carbon in the Trinity River downstream of a large reservoir lake in Texas, USA. Science of the Total Environment, 2004, 329, 131-144.	8.0	45
133	Sediment accumulation and radionuclide inventories (239,240Pu, 210Pb and 234Th) in the northern Gulf of Mexico, as influenced by organic matter and macrofaunal density. Marine Chemistry, 2004, 91, 1-14.	2.3	89
134	The oceanic gel phase: a bridge in the DOMâ€“POM continuum. Marine Chemistry, 2004, 92, 67-85.	2.3	576
135	Characterization of organic-rich colloids from surface and ground waters at the actinide-contaminated Rocky Flats Environmental Technology Site (RFETS), Colorado, USA. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 244, 105-111.	4.7	16
136	Upper ocean carbon flux determined by the 234Th approach and sediment traps using size-fractionated POC and 234Th data from the Gulf of Mexico. Geochemical Journal, 2004, 38, 601-611.	1.0	49
137	Distributions of carbohydrate species in the Gulf of Mexico. Marine Chemistry, 2003, 81, 119-135.	2.3	110
138	Production and flux of carbohydrate species in the Gulf of Mexico. Global Biogeochemical Cycles, 2003, 17, n/a-n/a.	4.9	34
139	Control of acid polysaccharide production and234Th and POC export fluxes by marine organisms. Geophysical Research Letters, 2003, 30, .	4.0	91
140	Nitrogen and carbon isotopic composition of high-molecular-weight dissolved organic matter in marine environments. Marine Ecology - Progress Series, 2003, 252, 51-60.	1.9	34
141	Importance of acid polysaccharides for ²³⁴Th complexation to marine organic matter. Limnology and Oceanography, 2002, 47, 367-377.	3.1	166
142	Actinide Migration from Contaminated Soil to Surface Water at the Rocky Flats Environmental Technology Site. Journal of Nuclear Science and Technology, 2002, 39, 485-488.	1.3	4
143	Organic Nature of Colloidal Actinides Transported in Surface Water Environments. Environmental Science & Technology, 2002, 36, 3711-3719.	10.0	111
144	Sources of iodine and iodine 129 in rivers. Water Resources Research, 2002, 38, 24-1-24-10.	4.2	133

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145	Sources of alluvium in a coastal plain stream based on radionuclide signatures from the238U and232Th decay series. Water Resources Research, 2002, 38, 24-1-24-11.	4.2	13
146	Silver concentrations in Colorado, USA, watersheds using improved methodology. Environmental Toxicology and Chemistry, 2002, 21, 2040-2051.	4.3	49
147	Distribution and partitioning of trace metals (Cd, Cu, Ni, Pb, Zn) in Galveston Bay waters. Marine Chemistry, 2002, 78, 29-45.	2.3	110
148	234Th scavenging and its relationship to acid polysaccharide abundance in the Gulf of Mexico. Marine Chemistry, 2002, 78, 103-119.	2.3	105
149	Historical contamination of PAHs, PCBs, DDTs, and heavy metals in Mississippi River Delta, Galveston Bay and Tampa Bay sediment cores. Marine Environmental Research, 2001, 52, 51-79.	2.5	239
150	Effect of Dissolved Organic Matter on the Uptake of Trace Metals by American Oysters. Environmental Science & Technology, 2001, 35, 885-893.	10.0	79
151	Organic complexation of copper in surface waters of Galveston Bay. Limnology and Oceanography, 2001, 46, 321-330.	3.1	73
152	Accumulation rates and sources of sediments and organic carbon on the Palos Verdes shelf based on radioisotopic tracers (137Cs, 239,240Pu, 210Pb, 234Th, 238U and 14C). Marine Chemistry, 2001, 73, 125-152.	2.3	57
153	Distributions of carbohydrates, including uronic acids, in estuarine waters of Galveston Bay. Marine Chemistry, 2001, 73, 305-318.	2.3	120
154	Sorption irreversibility and coagulation behavior of 234Th with marine organic matter. Marine Chemistry, 2001, 76, 27-45.	2.3	68
155	Spectrophotometric determination of total uronic acids in seawater using cation-exchange separation and pre-concentration by lyophilization. Analytica Chimica Acta, 2001, 427, 111-117.	5.4	62
156	Composition and transport of settling particles in Lake Zurich: relative importance of vertical and lateral pathways. Aquatic Sciences, 2001, 63, 123-149.	1.5	17
157	Sediment-water exchange of Mn, Fe, Ni and Zn in Galveston Bay, Texas. Marine Chemistry, 2001, 73, 215-231.	2.3	90
158	Trace metal composition of colloidal organic material in marine environments. Marine Chemistry, 2000, 70, 257-275.	2.3	86
159	Re-examination of cross-flow ultrafiltration for sampling aquatic colloids: evidence from molecular probes. Marine Chemistry, 2000, 69, 75-90.	2.3	139
160	Benthic Exchange of Nutrients in Galveston Bay, Texas. Estuaries and Coasts, 2000, 23, 647.	1.7	49
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