

Neil C Sturchio

List of Publications by Year in descending order

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162
papers

7,637
citations

31976

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66911

78
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164
all docs

164
docs citations

164
times ranked

6831
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotopic discrimination of natural and anthropogenic perchlorate sources in groundwater in a semi-arid region of northeastern Oregon (USA). <i>Applied Geochemistry</i> , 2022, 139, 105232.	3.0	2
2	Emergent Behavior at the Calcite–Water Interface during Reactive Transport in a Simple Microfluidic Channel. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 861-870.	2.7	4
3	Biotransformation of the insensitive munition constituents 3-nitro-1,2,4-triazol-5-one (NTO) and 2,4-dinitroanisole (DNAN) by aerobic methane-oxidizing consortia and pure cultures.. <i>Journal of Hazardous Materials</i> , 2021, 407, 124341.	12.4	17
4	Integrated studies to identify site-specific parameters for environmentally benign mining operations: A case study from the Sukari Gold Mine, Egypt. <i>Science of the Total Environment</i> , 2021, 750, 141654.	8.0	10
5	Interlaboratory Characterisation of Apatite Reference Materials for Chlorine Isotope Analysis. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 121-142.	3.1	15
6	Elevated radium levels in Nubian Aquifer groundwater of Northeastern Africa. <i>Scientific Reports</i> , 2021, 11, 78.	3.3	9
7	Photocatalytic mechanisms of 2,4-dinitroanisole degradation in water deciphered by C and N dual-element isotope fractionation. <i>Journal of Hazardous Materials</i> , 2021, 411, 125109.	12.4	4
8	Chemical and isotopic constraints on hydrological processes in Unzen volcanic geothermal system. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 419, 107353.	2.1	1
9	Isotopic composition of natural and synthetic chlorate ($\delta^{18}O$, $\delta^{17}O$, $\delta^{37}Cl$, $36Cl/Cl$): Methods and initial results. <i>Chemosphere</i> , 2021, 274, 129586.	8.2	6
10	Replacement of Calcium Carbonate Polymorphs by Cerussite. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2433-2441.	2.7	9
11	Position-specific isotope effects during alkaline hydrolysis of 2,4-dinitroanisole resolved by compound-specific isotope analysis, ^{13}C NMR, and density-functional theory. <i>Chemosphere</i> , 2021, 280, 130625.	8.2	1
12	Origin of the isotopic composition of natural perchlorate: Experimental results for the impact of reaction pathway and initial ClO_x reactant. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 311, 292-315.	3.9	6
13	Method for derivatization and isotopic analysis of the insensitive munition compound 3-nitro-1,2,4-triazol-5-one (NTO). <i>Journal of Hazardous Materials Letters</i> , 2021, 2, 100044.	3.6	0
14	Halogenated flame retardants in sediments from the Upper Laurentian Great Lakes: Implications to long-range transport and evidence of long-term transformation. <i>Journal of Hazardous Materials</i> , 2020, 384, 121346.	12.4	13
15	Deeper snow increases the net soil organic carbon accrual rate in moist acidic tussock tundra: ^{210}Pb evidence from Arctic Alaska. <i>Arctic, Antarctic, and Alpine Research</i> , 2020, 52, 461-475.	1.1	1
16	Alkaline hydrolysis pathway of 2,4-dinitroanisole verified by ^{18}O tracer experiment. <i>Journal of Hazardous Materials</i> , 2020, 396, 122627.	12.4	8
17	Sources and behavior of perchlorate in a shallow Chalk aquifer under military (World War I) and agricultural influences. <i>Journal of Hazardous Materials</i> , 2020, 398, 123072.	12.4	9
18	Groundwater isotope ratios reflect convective and stratiform (paleo)precipitation fractions in Brazil. <i>Journal of Hydrology</i> , 2020, 585, 124801.	5.4	9

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19	Application of a multiple lines of evidence approach to document natural attenuation of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) in groundwater. <i>Chemosphere</i> , 2020, 250, 126210.	8.2	9
20	Nonclassical Behavior in Competitive Ion Adsorption at a Charged Solidâ€“Water Interface. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4029-4035.	4.6	10
21	Worldwide occurrence and origin of perchlorate ion in waters: A review. <i>Science of the Total Environment</i> , 2019, 661, 737-749.	8.0	86
22	Chlorine isotopes as tracers of solute origin and age of groundwaters from the Eastern Desert of Egypt. <i>Earth and Planetary Science Letters</i> , 2019, 510, 37-44.	4.4	30
23	Assessment of age, origin, and sustainability of fossil aquifers: A geochemical and remote sensing-based approach. <i>Journal of Hydrology</i> , 2019, 576, 325-341.	5.4	52
24	Mapping Three-dimensional Dissolution Rates of Calcite Microcrystals: Effects of Surface Curvature and Dissolved Metal Ions. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 833-843.	2.7	40
25	Effect of pH on the Formation of Gibbsite-Layer Films at the Muscovite (001)â€“Water Interface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6560-6571.	3.1	14
26	Dissolution Kinetics of Epitaxial Cadmium Carbonate Overgrowths on Dolomite. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 212-220.	2.7	3
27	Seasonality of nitrate sources and isotopic composition in the Upper Illinois River. <i>Journal of Hydrology</i> , 2019, 568, 849-861.	5.4	19
28	Radionuclide geochemistry of groundwater in the Eastern Desert, Egypt. <i>Applied Geochemistry</i> , 2018, 93, 69-80.	3.0	17
29	Temporal and spatial differences in deposition of organic matter and black carbon in Lake Michigan sediments over the period 1850â€“2010. <i>Journal of Great Lakes Research</i> , 2018, 44, 705-715.	1.9	14
30	Evolution of Strain in Heteroepitaxial Cadmium Carbonate Overgrowths on Dolomite. <i>Crystal Growth and Design</i> , 2018, 18, 2871-2882.	3.0	6
31	Templating Growth of a Pseudomorphic Lepidocrocite Microshell at the Calciteâ€“Water Interface. <i>Chemistry of Materials</i> , 2018, 30, 700-707.	6.7	4
32	Pb ²⁺ â€“Calcite Interactions under Far-from-Equilibrium Conditions: Formation of Micropylamids and Pseudomorphic Growth of Cerussite. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2238-2247.	3.1	23
33	Legacy polychlorinated organic pollutants in the sediment of the Great Lakes. <i>Journal of Great Lakes Research</i> , 2018, 44, 682-692.	1.9	23
34	Geological and hydrogeochemical controls on radium isotopes in groundwater of the Sinai Peninsula, Egypt. <i>Science of the Total Environment</i> , 2018, 613-614, 877-885.	8.0	17
35	Does elevated atmospheric CO ₂ affect soil carbon burial and soil weathering in a forest ecosystem?. <i>PeerJ</i> , 2018, 6, e5356.	2.0	2
36	Current and historical concentrations of poly and perfluorinated compounds in sediments of the northern Great Lakes â€“ Superior, Huron, and Michigan. <i>Environmental Pollution</i> , 2018, 236, 373-381.	7.5	49

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37	Accumulation rates, focusing factors, and chronologies from depth profiles of ^{210}Pb and ^{137}Cs in sediments of the Laurentian Great Lakes. <i>Journal of Great Lakes Research</i> , 2018, 44, 693-704.	1.9	25
38	Spatial and temporal trends in poly- and per-fluorinated compounds in the Laurentian Great Lakes Erie, Ontario and St. Clair. <i>Environmental Pollution</i> , 2018, 237, 396-405.	7.5	34
39	Four-dimensional isotopic approach to identify perchlorate sources in groundwater: Application to the Rialto-Colton and Chino subbasins, southern California (USA). <i>Applied Geochemistry</i> , 2018, 97, 213-225.	3.0	12
40	Heteroepitaxial growth of cadmium carbonate at dolomite and calcite surfaces: Mechanisms and rates. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 205, 360-380.	3.9	28
41	Organophosphate Esters in Sediment of the Great Lakes. <i>Environmental Science & Technology</i> , 2017, 51, 1441-1449.	10.0	161
42	Stable isotopic composition of perchlorate and nitrate accumulated in plants: Hydroponic experiments and field data. <i>Science of the Total Environment</i> , 2017, 595, 556-566.	8.0	14
43	Real-time observation of cation exchange kinetics and dynamics at the muscovite-water interface. <i>Nature Communications</i> , 2017, 8, 15826.	12.8	61
44	Spatial and Temporal Trends of Polyhalogenated Carbazoles in Sediments of Upper Great Lakes: Insights into Their Origin. <i>Environmental Science & Technology</i> , 2017, 51, 89-97.	10.0	80
45	Stable isotope analyses of oxygen (^{18}O : ^{17}O : ^{16}O) and chlorine (^{37}Cl : ^{35}Cl) in perchlorate: reference materials, calibrations, methods, and interferences. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 85-110.	1.5	13
46	Relating Carbon and Nitrogen Isotope Effects to Reaction Mechanisms during Aerobic or Anaerobic Degradation of RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) by Pure Bacterial Cultures. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3297-3309.	3.1	17
47	Untargeted Screening and Distribution of Organo-Iodine Compounds in Sediments from Lake Michigan and the Arctic Ocean. <i>Environmental Science & Technology</i> , 2016, 50, 10097-10105.	10.0	30
48	Surface Charge of the Calcite (104) Terrace Measured by Rb^{+} Adsorption in Aqueous Solutions Using Resonant Anomalous X-ray Reflectivity. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15216-15223.	3.1	24
49	Occurrence of Atrazine and Related Compounds in Sediments of Upper Great Lakes. <i>Environmental Science & Technology</i> , 2016, 50, 7335-7343.	10.0	47
50	Structural Characterization of Aluminum (Oxy)hydroxide Films at the Muscovite (001) "Water Interface. <i>Langmuir</i> , 2016, 32, 477-486.	3.5	14
51	Winter precipitation and snow accumulation drive the methane sink or source strength of Arctic tussock tundra. <i>Global Change Biology</i> , 2016, 22, 2818-2833.	9.5	47
52	Deposition, accumulation, and alteration of Cl^{-} , NO_3^{-} , ClO_4^{-} and ClO_3^{-} salts in a hyper-arid polar environment: Mass balance and isotopic constraints. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 182, 197-215.	3.9	42
53	Untargeted Screening and Distribution of Organo-Bromine Compounds in Sediments of Lake Michigan. <i>Environmental Science & Technology</i> , 2016, 50, 321-330.	10.0	45
54	Chlorine isotopic composition of perchlorate in human urine as a means of distinguishing among exposure sources. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 324-328.	3.9	4

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55	Replacement of Calcite (CaCO_3) by Cerussite (PbCO_3). Environmental Science & Technology, 2016, 50, 12984-12991.	10.0	51
56	Groundwater movement, recharge, and perchlorate occurrence in a faulted alluvial aquifer in California (USA). Hydrogeology Journal, 2015, 23, 467-491.	2.1	19
57	Global patterns and environmental controls of perchlorate and nitrate co-occurrence in arid and semi-arid environments. Geochimica Et Cosmochimica Acta, 2015, 164, 502-522.	3.9	90
58	Temporal evolution of ^{36}Cl abundances in the Great Lakes. Journal of Environmental Radioactivity, 2015, 144, 62-68.	1.7	4
59	X-ray-driven reaction front dynamics at calcite-water interfaces. Science, 2015, 349, 1330-1334.	12.6	69
60	Continental degassing of ^4He by surficial discharge of deep groundwater. Nature Geoscience, 2015, 8, 35-39.	12.9	56
61	Isotopic tracing of perchlorate sources in groundwater from Pomona, California. Applied Geochemistry, 2014, 43, 80-87.	3.0	32
62	Polyhalogenated Carbazoles in Sediments of Lake Michigan: A New Discovery. Environmental Science & Technology, 2014, 48, 12807-12815.	10.0	98
63	Perchlorate in The Great Lakes: Isotopic Composition and Origin. Environmental Science & Technology, 2014, 48, 11146-11153.	10.0	30
64	Incorporation of Pb at the Calcite (104)-Water Interface. Environmental Science & Technology, 2014, 48, 9263-9269.	10.0	46
65	On the variation of dissolution rates at the orthoclase (0 0 1) surface with pH and temperature. Geochimica Et Cosmochimica Acta, 2014, 141, 598-611.	3.9	16
66	Paleoclimate record in the Nubian Sandstone Aquifer, Sinai Peninsula, Egypt. Quaternary Research, 2014, 81, 158-167.	1.7	48
67	Krypton-81 in groundwater of the Culebra Dolomite near the Waste Isolation Pilot Plant, New Mexico. Journal of Contaminant Hydrology, 2014, 160, 12-20.	3.3	24
68	Historical trends of inorganic and organic fluorine in sediments of Lake Michigan. Chemosphere, 2014, 114, 203-209.	8.2	73
69	Application of stable isotope ratio analysis for biodegradation monitoring in groundwater. Current Opinion in Biotechnology, 2013, 24, 542-549.	6.6	25
70	Changes in adsorption free energy and speciation during competitive adsorption between monovalent cations at the muscovite (001)-water interface. Geochimica Et Cosmochimica Acta, 2013, 123, 416-426.	3.9	57
71	Investigation of Structure, Adsorption Free Energy, and Overcharging Behavior of Trivalent Yttrium Adsorbed at the Muscovite(001)-Water Interface. Journal of Physical Chemistry C, 2013, 117, 23738-23749.	3.1	36
72	Marine environmental impacts of power-desalination plants in Kuwait. Aquatic Ecosystem Health and Management, 2012, 15, 50-55.	0.6	0

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73	Stable isotopes in global precipitation: A unified interpretation based on atmospheric moisture residence time. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	107
74	Polybromodiphenyl Ethers and Decabromodiphenyl Ethane in Aquatic Sediments from Southern and Eastern Arkansas, United States. <i>Environmental Science & Technology</i> , 2012, 46, 8017-8024.	10.0	45
75	Monovalent Ion Adsorption at the Muscovite (001)â€“Solution Interface: Relationships among Ion Coverage and Speciation, Interfacial Water Structure, and Substrate Relaxation. <i>Langmuir</i> , 2012, 28, 8637-8650.	3.5	128
76	Toward a better understanding of palaeoclimatic regimes that recharged the fossil aquifers in North Africa: Inferences from stable isotope and remote sensing data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 329-330, 137-149.	2.3	46
77	Determination of crustal fluid residence times using nucleogenic Ar . <i>Geochimica Et Cosmochimica Acta</i> , 2012, 88, 19-26.	3.9	19
78	A new capability in isotope geochemistry. <i>Eos</i> , 2012, 93, 390-390.	0.1	0
79	Isotopic Mapping of Groundwater Perchlorate Plumes. <i>Ground Water</i> , 2012, 50, 94-102.	1.3	34
80	Isotopic Tracing of Perchlorate in the Environment. <i>Advances in Isotope Geochemistry</i> , 2012, , 437-452.	1.4	13
81	Historically and Currently Used Dechloranes in the Sediments of the Great Lakes. <i>Environmental Science & Technology</i> , 2011, 45, 5156-5163.	10.0	47
82	Natural Chlorate in the Environment: Application of a New IC-ESI/MS/MS Method with a Cl^{18}O_3 Internal Standard. <i>Environmental Science & Technology</i> , 2010, 44, 8429-8434.	10.0	69
83	Isotopic Composition and Origin of Indigenous Natural Perchlorate and Co-Occurring Nitrate in the Southwestern United States. <i>Environmental Science & Technology</i> , 2010, 44, 4869-4876.	10.0	110
84	Hydrated Cation Speciation at the Muscovite (001)â€“Water Interface. <i>Langmuir</i> , 2010, 26, 16647-16651.	3.5	126
85	Competitive adsorption of strontium and fulvic acid at the muscoviteâ€“solution interface observed with resonant anomalous X-ray reflectivity. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1762-1776.	3.9	47
86	Chlorine-36 as a Tracer of Perchlorate Origin. <i>Environmental Science & Technology</i> , 2009, 43, 6934-6938.	10.0	52
87	PCBs in sediments of the Great Lakes â€“ Distribution and trends, homolog and chlorine patterns, and in situ degradation. <i>Environmental Pollution</i> , 2009, 157, 141-147.	7.5	82
88	Fractionation of stable isotopes in perchlorate and nitrate during in situ biodegradation in a sandy aquifer. <i>Environmental Chemistry</i> , 2009, 6, 44.	1.5	34
89	Atacama Perchlorate as an Agricultural Contaminant in Groundwater: Isotopic and Chronologic Evidence from Long Island, New York. <i>Environmental Science & Technology</i> , 2009, 43, 5619-5625.	10.0	72
90	Direct Observations of Mineral-Water Interface Reactivity at Elevated Temperatures with Interfacial X-ray Scattering. <i>ECS Transactions</i> , 2008, 11, 143-149.	0.5	0

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91	Groundwater-derived contaminant fluxes along a channelized Coastal Plain stream. <i>Journal of Hydrology</i> , 2008, 360, 265-280.	5.4	9
92	Thermodynamics, Interfacial Structure, and pH Hysteresis of Rb ⁺ and Sr ²⁺ Adsorption at the Muscovite (001)-Solution Interface. <i>Langmuir</i> , 2008, 24, 13993-14004.	3.5	58
93	Method for Purification of Krypton from Environmental Samples for Analysis of Radiokrypton Isotopes. <i>Analytical Chemistry</i> , 2008, 80, 8688-8693.	6.5	19
94	Is Perchlorate Metabolized or Re-Translocated within Lettuce Leaves? A Stable-Isotope Approach. <i>Environmental Science & Technology</i> , 2008, 42, 9437-9442.	10.0	21
95	Carbon and Chlorine Isotope Effects During Abiotic Reductive Dechlorination of Polychlorinated Ethanes. <i>Environmental Science & Technology</i> , 2007, 41, 4662-4668.	10.0	63
96	Oxygen and Chlorine Isotopic Fractionation during Perchlorate Biodegradation: A Laboratory Results and Implications for Forensics and Natural Attenuation Studies. <i>Environmental Science & Technology</i> , 2007, 41, 2796-2802.	10.0	71
97	Structure of rutile TiO ₂ (110) in water and 1molal Rb ⁺ at pH 12: Inter-relationship among surface charge, interfacial hydration structure, and substrate structural displacements. <i>Surface Science</i> , 2007, 601, 1129-1143.	1.9	78
98	Resonant anomalous X-ray reflectivity as a probe of ion adsorption at solid-liquid interfaces. <i>Thin Solid Films</i> , 2007, 515, 5654-5659.	1.8	30
99	Polybrominated Diphenyl Ethers in the Sediments of the Great Lakes. 4. Influencing Factors, Trends, and Implications. <i>Environmental Science & Technology</i> , 2006, 40, 7528-7534.	10.0	66
100	Kinetic isotopic fractionation during diffusion of ionic species in water. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 277-289.	3.9	191
101	Cation sorption on the muscovite (001) surface in chloride solutions using high-resolution X-ray reflectivity. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3549-3565.	3.9	182
102	Structure of hydrated Zn ²⁺ at the rutile TiO ₂ (110)-aqueous solution interface: Comparison of X-ray standing wave, X-ray absorption spectroscopy, and density functional theory results. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4039-4056.	3.9	52
103	Hydration and Distribution of Ions at the Mica-Water Interface. <i>Physical Review Letters</i> , 2006, 97, 016101.	7.8	142
104	Stable Isotopic Composition of Chlorine and Oxygen in Synthetic and Natural Perchlorate. , 2006, , 93-109.		19
105	Nano-SIMS Analysis of Mg, Sr, Ba and U in Natural Calcium Carbonate. <i>Analytical Sciences</i> , 2005, 21, 1091-1097.	1.6	54
106	Fate of Environmental Pollutants. <i>Water Environment Research</i> , 2005, 77, 2576-2658.	2.7	9
107	Probing Outer-Sphere Adsorption of Aqueous Metal Complexes at the Oxide-Water Interface with Resonant Anomalous X-Ray Reflectivity. <i>Physical Review Letters</i> , 2005, 94, 076104.	7.8	74
108	Perchlorate Isotope Forensics. <i>Analytical Chemistry</i> , 2005, 77, 7838-7842.	6.5	109

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109	Polybrominated Diphenyl Ethers in the Sediments of the Great Lakes. 3. Lakes Ontario and Erie. <i>Environmental Science & Technology</i> , 2005, 39, 5600-5605.	10.0	119
110	Polybrominated Diphenyl Ethers in the Sediments of the Great Lakes. 2. Lakes Michigan and Huron. <i>Environmental Science & Technology</i> , 2005, 39, 3474-3479.	10.0	129
111	Cosmogenic, radiogenic, and stable isotopic constraints on groundwater residence time in the Nubian Aquifer, Western Desert of Egypt. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	58
112	Structure of the fluorapatite (100)-water interface by high-resolution X-ray reflectivity. <i>American Mineralogist</i> , 2004, 89, 1647-1654.	1.9	45
113	Mars chronology: assessing techniques for quantifying surficial processes. <i>Earth-Science Reviews</i> , 2004, 67, 313-337.	9.1	37
114	Mineral-water interfacial structures revealed by synchrotron X-ray scattering. <i>Progress in Surface Science</i> , 2004, 77, 171-258.	8.3	334
115	Interaction of Uranyl with Calcite in the Presence of EDTA. <i>Environmental Science & Technology</i> , 2004, 38, 5078-5086.	10.0	37
116	Invariant chlorine isotopic signatures during microbial PCB reductive dechlorination. <i>Environmental Pollution</i> , 2004, 128, 445-448.	7.5	16
117	Chlorine Isotope Fractionation during Microbial Reduction of Perchlorate. <i>Environmental Science & Technology</i> , 2003, 37, 3859-3863.	10.0	87
118	Structures of quartz (100)- and (101)-water interfaces determined by x-ray reflectivity and atomic force microscopy of natural growth surfaces. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3037-3054.	3.9	115
119	A Chlorine Isotope Effect for Enzyme-Catalyzed Chlorination. <i>Journal of the American Chemical Society</i> , 2002, 124, 14526-14527.	13.7	54
120	Stable chlorine and carbon isotopic compositions of selected semi-volatile organochlorine compounds. <i>Organic Geochemistry</i> , 2002, 33, 437-444.	1.8	67
121	1. An Overview of Synchrotron Radiation Applications to Low Temperature Geochemistry and Environmental Science. , 2002, , 1-116.		5
122	Stable chlorine intramolecular kinetic isotope effects from the abiotic dehydrochlorination of DDT. <i>Environmental Science and Pollution Research</i> , 2002, 9, 183-186.	5.3	29
123	Applications of Synchrotron Radiation in Low-Temperature Geochemistry and Environmental Science. , 2002, , .		41
124	Resolving orthoclase dissolution processes with atomic force microscopy and X-ray reflectivity. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3459-3474.	3.9	108
125	Quantification of minor phases in growth kinetics experiments with powder X-ray diffraction. <i>American Mineralogist</i> , 2000, 85, 1217-1222.	1.9	11
126	Local structure of CO ₂ -incorporated at the calcite surface: An x-ray standing wave and SEXAFS study. <i>Physical Review B</i> , 2000, 61, 4877-4883.	3.2	31

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127	Stable Chlorine Isotopic Compositions of Aroclors and Aroclor-Contaminated Sediments. <i>Environmental Science & Technology</i> , 2000, 34, 2866-2870.	10.0	57
128	Measuring geologic time on Mars. <i>Eos</i> , 2000, 81, 533-535.	0.1	2
129	Gibbsite growth kinetics on gibbsite, kaolinite, and muscovite substrates: atomic force microscopy evidence for epitaxy and an assessment of reactive surface area. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 2337-2351.	3.9	56
130	Structure and growth of stearate monolayers on calcite: first results of an in situ X-ray reflectivity study. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 3145-3152.	3.9	55
131	X-ray standing wave study of arsenite incorporation at the calcite surface. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 3153-3157.	3.9	65
132	Strontium isotopic evidence on the chemical evolution of pore waters in the Milk River Aquifer, Alberta, Canada. <i>Applied Geochemistry</i> , 1998, 13, 463-475.	3.0	40
133	Helium degassing related to the Kobe earthquake. <i>Chemical Geology</i> , 1998, 150, 171-179.	3.3	62
134	Conversion of Chlorinated Volatile Organic Compounds to Carbon Dioxide and Methyl Chloride for Isotopic Analysis of Carbon and Chlorine. <i>Analytical Chemistry</i> , 1997, 69, 2727-2733.	6.5	131
135	X-ray standing wave investigation of the surface structure of selenite anions adsorbed on calcite. <i>Surface Science</i> , 1997, 382, L690-L695.	1.9	45
136	Lead adsorption at the calcite-water interface: Synchrotron X-ray standing wave and X-ray reflectivity studies. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 251-263.	3.9	121
137	The rare earth element geochemistry of acid-sulphate and acid-sulphate-chloride geothermal systems from Yellowstone National Park, Wyoming, USA. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 695-706.	3.9	130
138	Otavite-calcite solid-solution formation at the calcite-water interface studied in situ by synchrotron X-ray scattering. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1467-1474.	3.9	69
139	The chemical and isotopic composition of fumarolic gases and spring discharges from Galeras Volcano, Colombia. <i>Journal of Volcanology and Geothermal Research</i> , 1997, 77, 229-253.	2.1	81
140	Precipitation Source Inferred from Stable Isotopic Composition of Pleistocene Groundwater and Carbonate Deposits in the Western Desert of Egypt. <i>Quaternary Research</i> , 1997, 48, 29-37.	1.7	142
141	The relationship between fumarole gas composition and eruptive activity at Galeras Volcano, Colombia. <i>Geology</i> , 1996, 24, 531.	4.4	70
142	Ultrasonic vacuum extraction of gases from water for chemical and isotopic analysis. <i>Chemical Geology</i> , 1995, 122, 275-284.	3.3	13
143	The calcite (10 $\bar{1}$,4) cleavage surface in water: Early results of a crystal truncation rod study. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 4557-4561.	3.9	44
144	Uranium-Series Ages of Travertines and Timing of the Last Glaciation in the Northern Yellowstone Area, Wyoming-Montana. <i>Quaternary Research</i> , 1994, 41, 265-277.	1.7	88

#	ARTICLE	IF	CITATIONS
145	Epitaxial growth of otavite on calcite observed in situ by synchrotron X-ray scattering. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 5633-5638.	3.9	43
146	Climatic, eustatic, and tectonic controls on Quaternary deposits and landforms, Red Sea Coast, Egypt. <i>Journal of Geophysical Research</i> , 1994, 99, 12175-12190.	3.3	16
147	Synchrotron X-ray Scattering Studies at Mineral-Water Interfaces. <i>Materials Research Society Symposia Proceedings</i> , 1994, 375, 181.	0.1	0
148	The hydrothermal system of Volcan Puraciz $\frac{1}{2}$, Colombia. <i>Bulletin of Volcanology</i> , 1993, 55, 289-296.	3.0	26
149	Internal ^{238}U -series systematics of pumice from the November 13, 1985, eruption of Nevado del Ruiz, Colombia. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 1215-1219.	3.9	44
150	In-situ synchrotron X-ray reflectivity measurements at the calcite-water interface. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 4103-4110.	3.9	66
151	Boron-lithium relationships in rhyolites and associated thermal waters of young silicic calderas, with comments on incompatible element behaviour. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 3723-3731.	3.9	39
152	New evidence on the hydrothermal system in Long Valley caldera, California, from wells, fluid sampling, electrical geophysics, and age determinations of hot-spring deposits. <i>Journal of Volcanology and Geothermal Research</i> , 1991, 48, 229-263.	2.1	73
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155	Radium isotopes, alkaline earth diagenesis, and age determination of travertine from Mammoth Hot Springs, Wyoming, U.S.A.. <i>Applied Geochemistry</i> , 1990, 5, 631-640.	3.0	47
156	The hydrothermal system of Nevado del Ruiz volcano, Colombia. <i>Bulletin of Volcanology</i> , 1988, 50, 399-412.	3.0	33
157	Uranium- ϵ series age determination of calcite veins, VC-1 drill core, Valles Caldera, New Mexico. <i>Journal of Geophysical Research</i> , 1988, 93, 6097-6102.	3.3	30
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