

Mason B Tomson

List of Publications by Year in descending order

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162
papers

4,908
citations

87888

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times ranked

3057
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#	ARTICLE	IF	CITATIONS
1	Experimental Evaluation of Attach-and-Release Mineral Scale Control Strategy for Aqueous Fluid Transporting Pipelines. <i>Energy & Fuels</i> , 2022, 36, 14673-14681.	5.1	3
2	Investigation of sorptive interaction between phosphonate inhibitor and barium sulfate for oilfield scale control. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109425.	4.2	6
3	A new CSTR method for scale inhibitor evaluation. <i>Chemical Engineering Journal</i> , 2022, 437, 135351.	12.7	5
4	Rare earth elements from waste. <i>Science Advances</i> , 2022, 8, eabm3132.	10.3	49
5	New Halite Testing Methods for High Temperature and from Low to Very High Calcium Content Brine. , 2022, , .		1
6	Interactions of common scale inhibitors and formation mineral (calcium carbonate): Sorption and transportability investigations under equilibrium and dynamic conditions. <i>Journal of Petroleum Science and Engineering</i> , 2022, , 110696.	4.2	6
7	Growth inhibition and deposition prevention of sulfide scales using dispersants. <i>Journal of Petroleum Science and Engineering</i> , 2021, 197, 108107.	4.2	4
8	Nucleation and Crystallization Kinetics of Barium Sulfate in the Hydrodynamic Boundary Layer: An Explanation of Mineral Deposition. <i>Crystal Growth and Design</i> , 2021, 21, 1443-1450.	3.0	14
9	Prediction Models of Barite Crystallization and Inhibition Kinetics: Applications for Oil and Gas Industry. <i>Sustainability</i> , 2021, 13, 8533.	3.2	2
10	A rapid experimental protocol to determine the desorption resistant fraction of sediment-sorbed hydrophobic organic contaminants. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1449-1460.	5.3	1
11	Improved Scale Prediction for High Calcium Containing Produced Brine and Sulfide Scales. , 2020, , .		7
12	Facile one-pot synthesis of metal-phosphonate colloidal scale inhibitor: Synthesis and laboratory evaluation. <i>Fuel</i> , 2020, 282, 118855.	6.4	6
13	The state of the art in scale inhibitor squeeze treatment. <i>Petroleum Science</i> , 2020, 17, 1579-1601.	4.9	35
14	Laboratory investigation of co-precipitation of CaCO ₃ /BaCO ₃ mineral scale solids at oilfield operating conditions: Impact of brine chemistry. <i>Oil and Gas Science and Technology</i> , 2020, 75, 83.	1.4	1
15	Developments on Calcium Sulfate Scaling Prediction and Control in Oil and Gas Production. , 2020, , .		4
16	Prevention of Mineral Scale Deposition Using Dispersants and Inhibitors. , 2020, , .		6
17	Experimental Evaluation of Common Sulfate Mineral Scale Coprecipitation Kinetics in Oilfield Operating Conditions. <i>Energy & Fuels</i> , 2019, 33, 6177-6186.	5.1	12
18	Two-Stage Model Reveals Barite Crystallization Kinetics from Solution Turbidity. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 10864-10874.	3.7	21

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19	Automated Analytical Method To Determine Solution Alkalinity of Oilfield Brine in the Presence of Weak Organic Acids. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 4667-4673.	3.7	3
20	Recent Advances in Scale Prediction: Approach and Limitations. <i>SPE Journal</i> , 2019, 24, 2209-2220.	3.1	35
21	Identification of Novel Chemicals for Iron Sulfide Scale Control and Understanding of Scale Controlling Mechanism. , 2019, , .		10
22	Development of modeling approaches to describe mineral scale deposition kinetics in porous medium and pipe flow system. <i>Journal of Petroleum Science and Engineering</i> , 2019, 178, 594-601.	4.2	7
23	Kinetics and Thermodynamics of Iron Sulfide, Precipitation, Deposition and Control. , 2019, , .		5
24	Novel Laser-Hydrothermal Apparatus for Nucleation and Inhibition Study of Scale Minerals at Temperatures up to 250°C. , 2019, , .		0
25	A novel attach-and-release mineral scale control strategy: Laboratory investigation of retention and release of scale inhibitor on pipe surface. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 70, 462-471.	5.8	22
26	Laboratory evaluation of synergistic effect of transition metals with mineral scale inhibitor in controlling halite scale deposition. <i>Journal of Petroleum Science and Engineering</i> , 2019, 175, 120-128.	4.2	11
27	Modeling Analysis of Two Common Organic Pollutants' Adsorption and Desorption from Activated Carbon, C ₆₀ , and Soil Organic Carbon. <i>Environmental Engineering Science</i> , 2019, 36, 136-147.	1.6	1
28	Investigation of the impact of ferrous species on the performance of common oilfield scale inhibitors for mineral scale control. <i>Journal of Petroleum Science and Engineering</i> , 2019, 172, 288-296.	4.2	19
29	Recent Advances in Scale Prediction, Approach, and Limitations. , 2018, , .		2
30	Impact of High Calcium Concentration on Sulfate Scale Prediction at High Temperature from 120°C to 220°C. , 2018, , .		5
31	Application of a novel tube reactor for investigation of calcium carbonate mineral scale deposition kinetics. <i>Chemical Engineering Research and Design</i> , 2018, 137, 113-124.	5.6	14
32	Laboratory Evaluation and Mechanistic Understanding of the Impact of Ferric Species on Oilfield Scale Inhibitor Performance. <i>Energy & Fuels</i> , 2018, 32, 8348-8357.	5.1	20
33	Sorption and desorption characteristics of anionic surfactants to soil sediments. <i>Chemosphere</i> , 2018, 211, 1183-1192.	8.2	22
34	Identification of a new high-molecular-weight Fe ³⁺ citrate species at low citrate-to-Fe molar ratios: Impact on arsenic removal with ferric hydroxide. <i>Chemosphere</i> , 2018, 212, 50-55.	8.2	3
35	Acid/base and metal complex solution chemistry of sulfonated polyacrylate copolymer versus temperature and ionic strength. <i>Applied Geochemistry</i> , 2017, 76, 1-8.	3.0	4
36	Calcite and Barite Solubility Measurements in Mixed Electrolyte Solutions and Development of a Comprehensive Model for Water-Mineral-Gas Equilibrium of the Na-K-Mg-Ca-Ba-Sr-Cl-SO ₄ -CO ₃ -HCO ₃ -CO ₂ (aq)-H ₂ O System up to 250 °C and 1500 bar. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6548-6561.	3.7	19

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37	Thermodynamic Properties and Solubility of Sodium and Potassium Chloride in Ethane-1,2-diol/Water Mixed Solvent Systems to High Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1326-1334.	1.9	4
38	Modeling H ₂ S Partitioning in Deep Water Production Systems. , 2017, , .		2
39	New Approach to Study Iron Sulfide Precipitation Kinetics, Solubility, and Phase Transformation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 9016-9027.	3.7	34
40	Scaling Risk and Inhibition Prediction of Carbonate Scale at High Temperature. , 2017, , .		8
41	Calcium Sulfate Scaling Risk and Inhibition for a Steamflood Project. <i>SPE Journal</i> , 2017, 22, 881-891.	3.1	9
42	Solubility Measurements and Predictions of Gypsum, Anhydrite, and Calcite Over Wide Ranges of Temperature, Pressure, and Ionic Strength with Mixed Electrolytes. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 327-339.	5.4	49
43	Phosphino-polycarboxylic acid modified inhibitor nanomaterial for oilfield scale control: Synthesis, characterization and migration. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 366-374.	5.8	36
44	Barite-Scaling Risk and Inhibition at High Temperature. <i>SPE Journal</i> , 2017, 22, 069-079.	3.1	20
45	Synthesis and laboratory testing of a novel calcium-phosphonate reverse micelle nanofluid for oilfield mineral scale control. <i>RSC Advances</i> , 2016, 6, 39883-39895.	3.6	13
46	Transport and return of an oilfield scale inhibitor reverse micelle nanofluid: impact of preflush and overflush. <i>RSC Advances</i> , 2016, 6, 66672-66681.	3.6	6
47	Phosphino-polycarboxylic acid modified inhibitor nanomaterial for oilfield scale control: transport and inhibitor return in formation media. <i>RSC Advances</i> , 2016, 6, 59195-59205.	3.6	23
48	A Thermodynamic Model for The Solution Density and Mineral Solubility Predictions up to 250 Å°C, 1,500 Bars for Na-K-Mg-Ca-Ba-Sr-Cl-CO ₃ -HCO ₃ -SO ₄ -CO ₂ aq Systems. , 2016, , .		17
49	Enhanced transport of novel crystalline calcium-phosphonate scale inhibitor nanomaterials and their long term flow back performance in laboratory squeeze simulation tests. <i>RSC Advances</i> , 2016, 6, 5259-5269.	3.6	15
50	Functional scale inhibitor nanoparticle capsule delivery vehicles for oilfield mineral scale control. <i>RSC Advances</i> , 2016, 6, 43016-43027.	3.6	16
51	Mechanistic understanding of calciumâ€™ phosphonate solid dissolution and scale inhibitor return behavior in oilfield reservoir: formation of middle phase. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21458-21468.	2.8	24
52	Mineral Precipitation Kinetics: Assessing the Effect of Hydrostatic Pressure and Its Implication on the Nucleation Mechanism. <i>Crystal Growth and Design</i> , 2016, 16, 4846-4854.	3.0	12
53	Calcium Sulfate Scaling Risk and Inhibition for a Steamflood Project. , 2016, , .		3
54	The Effect of Pressure and TDS on Barite Scaling Kinetics. , 2015, , .		5

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55	Oil Field Mineral Scale Control. , 2015, , 603-617.		6
56	Systematic Study of Barite Nucleation and Inhibition With Various Polymeric Scale Inhibitors by Novel Laser Apparatus. SPE Journal, 2015, 20, 642-651.	3.1	35
57	Ferrous Iron Impact on Phosphonate and Polymeric Scale Inhibitors at Temperature Ranging from 25 to 70°C. , 2015, , .		25
58	Field Method for Determination of Bicarbonate Alkalinity. , 2014, , .		7
59	Improvement of Thermodynamic Modeling of Calcium Carbonate and Calcium Sulfates at High Temperature and High Pressure in Mixed Electrolytes. , 2014, , .		5
60	Experimental and Modeling Study on Enhancement of Squeeze Treatment in Sandstone by the Addition of Zinc Ion. , 2014, , .		4
61	Attachment/Release of Phosphonate to/from a CaCO ₃ Surface in Supersaturated Brines. , 2014, , .		1
62	An Assay Method for the Detection of all Scale Inhibitors at Extremely low Concentration. , 2014, , .		4
63	Prediction of Barite Scaling Risk and Inhibition for Oil and Gas Production at High Temperature. , 2014, , .		12
64	Salt- and temperature-stable quantum dot nanoparticles for porous media flow. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 443, 492-500.	4.7	23
65	Carbon-Based Nanoreporters Designed for Subsurface Hydrogen Sulfide Detection. ACS Applied Materials & Interfaces, 2014, 6, 7652-7658.	8.0	26
66	Systematic Study of Barite Nucleation and Inhibition with Various Polymeric Scale Inhibitors by Novel Laser Apparatus. , 2014, , .		3
67	Measurement and Prediction of Thermal Degradation of Scale Inhibitors. SPE Journal, 2014, 19, 1169-1176.	3.1	14
68	Contaminant-mobilizing capability of fullerene nanoparticles (C ₆₀): Effect of solvent-exchange process in C ₆₀ formation. Environmental Toxicology and Chemistry, 2013, 32, 329-336.	4.3	20
69	Thermodynamic Model Improvements for Common Minerals at High Temperature, High Pressure and High TDS with Mixed Salts. , 2013, , .		2
70	A Novel and Comprehensive Study of Polymeric and Traditional Phosphonate Inhibitors for High-Temperature Scale Control. SPE Journal, 2013, 18, 575-582.	3.1	15
71	Synthesis and Sorption Study of AlOOH Nanoparticle Cross-Linked Polymeric Scale Inhibitors and their Squeeze Performance in Porous Media. , 2013, , .		1
72	Boehmite Based Sulphonated Polymer Nanoparticles with Improved Squeeze Performance for Deepwater Scale Control. , 2013, , .		3

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73	The Use of Inhibition Kinetics and NMR Spectroscopy in Thermal Stability Study of Scale Inhibitors. , 2013, , .		12
74	Synthesis and Size Control of Monodispersed Al-Sulfonated Polycarboxylic Acid Nanoparticles and Their Transport in Porous Media. SPE Journal, 2013, 18, 610-619.	3.1	12
75	A Novel Approach to the Study of CaCO ₃ Precipitation Kinetics on Carbon Steel Pipe. , 2012, , .		4
76	Highly stable carbon nanoparticles designed for downhole hydrocarbon detection. Energy and Environmental Science, 2012, 5, 8304.	30.8	42
77	Scale Prediction for Oil and Gas Production. SPE Journal, 2012, 17, 362-378.	3.1	162
78	Synthesis and Size Control of Monodispersed Al-sulphonated Polycarboxylic Acid (Al-SPCA) Nanoparticles with Improved Squeeze Performance and Their Transport in Porous Media. , 2012, , .		4
79	Scale Prediction and Inhibition for Oil and Gas Production at High Temperature/High Pressure. SPE Journal, 2012, 17, 379-392.	3.1	41
80	A Novel and Comprehensive Study of Polymeric and Traditional Phosphonate Inhibitors for High Temperature Scale Control. , 2012, , .		4
81	Phase Stability and Inhibition of Calcium Sulfate in the System NaCl/Monoethylene Glycol/H ₂ O. SPE Journal, 2012, 17, 187-197.	3.1	15
82	Solubility of Barite up to 250 Â°C and 1500 bar in up to 6 m NaCl Solution. Industrial & Engineering Chemistry Research, 2012, 51, 3119-3128.	3.7	42
83	Time-dependent adsorption and resistant desorption of arsenic on magnetite nanoparticles: kinetics and modeling. Desalination and Water Treatment, 2012, 44, 100-109.	1.0	16
84	Transport of Fullerene Nanoparticles (<i>C</i> ₆₀) in Saturated Sand and Sandy Soil: Controlling Factors and Modeling. Environmental Science & Technology, 2012, 46, 7230-7238.	10.0	96
85	Enhanced Transport of 2,2,5,5-Tetrachlorinated Biphenyl by Natural Organic Matter (NOM) and Surfactant-Modified Fullerene Nanoparticles (<i>C</i> ₆₀). Environmental Science & Technology, 2012, 46, 5422-5429.	10.0	53
86	A Priori Prediction of Thermodynamic Properties of Electrolytes in Mixed Aqueous-Organic Solvents to Extreme Temperatures. Journal of Physical Chemistry B, 2012, 116, 9033-9042.	2.6	15
87	Effects of Hydrate Inhibitors on the Solubility of Barite and Halite in Produced Water. , 2012, , .		8
88	Engineered nanoparticles for hydrocarbon detection in oil-field rocks. Energy and Environmental Science, 2011, 4, 505-509.	30.8	72
89	Facilitated Transport of 2,2,5,5-Tetrachlorinated Biphenyl and Phenanthrene by Fullerene Nanoparticles through Sandy Soil Columns. Environmental Science & Technology, 2011, 45, 1341-1348.	10.0	71
90	Synthesis of Crystalline-Phase Silica-Based Calcium Phosphonate Nanomaterials and Their Transport in Carbonate and Sandstone Porous Media. Industrial & Engineering Chemistry Research, 2011, 50, 1819-1830.	3.7	36

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91	Engineered Nanoparticles for Hydrocarbon Detection in Oil-Field Rocks. , 2011, , .		4
92	Ultra-HTHP Scale Control for Deepwater Oil and Gas Production. , 2011, , .		11
93	Silica-Templated Synthesis of Novel Zinc-DTPMP Nanomaterials: Their Transport in Carbonate and Sandstone Media During Scale Inhibition. SPE Journal, 2011, 16, 662-671.	3.1	27
94	Barite Nucleation and Inhibition at 0 to 200°C With and Without Thermodynamic Hydrate Inhibitors. SPE Journal, 2011, 16, 440-450.	3.1	29
95	Surfactant-Assisted Synthesis of Metal-Phosphonate Inhibitor Nanoparticles and Transport in Porous Media. SPE Journal, 2010, 15, 610-617.	3.1	29
96	Quantitative Evaluation of Calcium Sulfate Precipitation Kinetics in the Presence and Absence of Scale Inhibitors. SPE Journal, 2010, 15, 977-988.	3.1	38
97	Transport Study of Nanoparticles for Oilfield Application. , 2010, , .		30
98	Effects of Monoethylene Glycol on Carbonate Equilibrium and Calcite Solubility in Gas/Monoethylene Glycol/NaCl/Water Mixed Systems. SPE Journal, 2010, 15, 714-725.	3.1	15
99	A sorption kinetics model for arsenic adsorption to magnetite nanoparticles. Environmental Science and Pollution Research, 2010, 17, 1053-1062.	5.3	53
100	Scale Prediction for Oil and Gas Production. , 2010, , .		35
101	Scale Prediction and Inhibition for Unconventional Oil and Gas Production. , 2010, , .		16
102	Effects of Monoethylene Glycol on Carbon Dioxide Partitioning in Gas/Monoethylene Glycol/Water/Salt Mixed Systems. Industrial & Engineering Chemistry Research, 2010, 49, 5884-5890.	3.7	9
103	pH-dependent effect of zinc on arsenic adsorption to magnetite nanoparticles. Water Research, 2010, 44, 5693-5701.	11.3	96
104	Barite Nucleation and Inhibition at 0-200°C, With and Without Hydrate Inhibitors. , 2009, , .		8
105	Molar Ratio of Ca ²⁺ to Fe ²⁺ in the Supersaturated Solution of Iron Carbonate and Calcium Carbonate and in the Precipitate: Relation and Interpretation. , 2009, , .		1
106	Adsorption of arsenic to magnetite nanoparticles: Effect of particle concentration, pH, ionic strength, and temperature. Environmental Toxicology and Chemistry, 2009, 28, 509-515.	4.3	142
107	Barite Dissolution/Precipitation Kinetics in Porous Media and in the Presence and Absence of a Common Scale Inhibitor. SPE Journal, 2009, 14, 462-471.	3.1	16
108	Enhanced Scale-Inhibitor Treatments With the Addition of Zinc. SPE Journal, 2009, 14, 617-626.	3.1	28

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109	RESISTANT DESORPTION OF HYDROPHOBIC ORGANIC CONTAMINANTS IN TYPICAL CHINESE SOILS: IMPLICATIONS FOR LONG-TERM FATE AND SOIL QUALITY STANDARDS. Environmental Toxicology and Chemistry, 2008, 27, 235.	4.3	21
110	Mechanistic Understanding of Rock/Phosphonate Interactions and the Effect of Metal Ions on Inhibitor Retention. SPE Journal, 2008, 13, 325-336.	3.1	49
111	Iron (II)-Calcium Carbonate: Precipitation Interaction. , 2008, , .		7
112	Ferrous Carbonate Nucleation and Inhibition. , 2008, , .		17
113	Enhanced Inhibitor Treatments With the Addition of Transition Metal Ions. , 2008, , .		16
114	Control Placement Of Scale Inhibitors In The Formation With Stable Ca-DTPMP Nanoparticle Suspension And Its Transport In Porous Medium. , 2008, , .		34
115	Design of Low Sulphate Seawater Injection Based Upon Kinetic Limits. , 2006, , .		15
116	Measurement of Total Alkalinity and Carboxylic Acid and Their Relation to Scaling and Corrosion. SPE Journal, 2006, 11, 103-110.	3.1	9
117	Control of Inhibitor Squeeze Through Mechanistic Understanding of Inhibitor Chemistry. SPE Journal, 2006, 11, 283-293.	3.1	53
118	Sequestration of organic contaminants in soil/sediment and its impact on contaminant fate. Diqui Huaxue, 2006, 25, 262-263.	0.5	0
119	Scale Formation and Prevention in the Presence of Hydrate Inhibitors. SPE Journal, 2006, 11, 248-258.	3.1	17
120	Inhibition Of Barite Scale In The Presence Of Hydrate Inhibitors. SPE Journal, 2005, 10, 256-266.	3.1	21
121	Adsorption and precipitation of an aminoalkylphosphonate onto calcite. Journal of Colloid and Interface Science, 2005, 281, 275-284.	9.4	89
122	Uptake and Sequestration of Naphthalene and 1,2-Dichlorobenzene by C60. Journal of Nanoparticle Research, 2005, 7, 555-567.	1.9	68
123	Study of C60 transport in porous media and the effect of sorbed C60 on naphthalene transport. Journal of Materials Research, 2005, 20, 3244-3254.	2.6	87
124	Factors Affecting Scale Inhibitor Retention in Carbonate-Rich Formation During Squeeze Treatment. SPE Journal, 2004, 9, 280-289.	3.1	61
125	A Program for Evaluating Dual-Equilibrium Desorption Effects on Remediation. Ground Water, 2004, 42, 620-624.	1.3	6
126	Naphthalene Adsorption and Desorption from Aqueous C60Fullerene. Journal of Chemical & Engineering Data, 2004, 49, 675-683.	1.9	230

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127	Effect of Methanol and Ethylene Glycol on Sulfates and Halite Scale Formation. Industrial & Engineering Chemistry Research, 2003, 42, 2399-2408.	3.7	68
128	Effect Of Hydrate Inhibitors On Oilfield Scale Formation And Inhibition. , 2002, , .		20
129	Inhibition of Mineral Scale Precipitation by Polymers. , 2002, , 163-171.		7
130	Effect of Methanol on Carbonate Equilibrium and Calcite Solubility in a Gas/Methanol/Water/Salt Mixed System. Langmuir, 2002, 18, 9713-9725.	3.5	39
131	Mineral-Scale Control in Subsea Completion. , 2001, , .		5
132	Modeling Irreversible Sorption of Hydrophobic Organic Contaminants in Natural Sediments. ACS Symposium Series, 2000, , 58-69.	0.5	0
133	Factors affecting the release of hydrophobic organic contaminants from natural sediments. Environmental Toxicology and Chemistry, 2000, 19, 2401-2408.	4.3	15
134	IMPACT OF IRREVERSIBLE SORPTION ON BIOAVAILABILITY, RISK ASSESSMENT, AND SITE REMEDIATION. Proceedings of the Water Environment Federation, 2000, 2000, 598-615.	0.0	1
135	FACTORS AFFECTING THE RELEASE OF HYDROPHOBIC ORGANIC CONTAMINANTS FROM NATURAL SEDIMENTS. Environmental Toxicology and Chemistry, 2000, 19, 2401.	4.3	1
136	Adsorption&desorption behaviors of hydrophobic organic compounds in sediments of Lake Charles, Louisiana, USA. Environmental Toxicology and Chemistry, 1999, 18, 1610-1616.	4.3	38
137	Inhibition of calcium carbonate precipitation in NaCl brines from 25 to 90Â°C. Applied Geochemistry, 1999, 14, 17-25.	3.0	108
138	ADSORPTION-DESORPTION BEHAVIORS OF HYDROPHOBIC ORGANIC COMPOUNDS IN SEDIMENTS OF LAKE CHARLES, LOUISIANA, USA. Environmental Toxicology and Chemistry, 1999, 18, 1610.	4.3	4
139	The Temperature and Ionic Strength Dependence of the Solubility Product Constant of Ferrous Phosphonate. Langmuir, 1998, 14, 3698-3703.	3.5	44
140	Mechanistic Aspects of Calcium Phosphonates Precipitation. , 1998, , 493-506.		10
141	Irreversible Adsorption of Naphthalene and Tetrachlorobiphenyl to Lula and Surrogate Sediments. Environmental Science & Technology, 1997, 31, 2176-2185.	10.0	143
142	Mathematical Inhibitor Model for Barium Sulfate Scale Control. Langmuir, 1996, 12, 1901-1905.	3.5	94
143	Development of a Surrogate Sediment To Study the Mechanisms Responsible for Adsorption/Desorption Hysteresis. Environmental Science & Technology, 1996, 30, 2278-2285.	10.0	33
144	The Nucleation Kinetics of Barium Sulfate in NaCl Solutions up to 6 m and 90Â°C. Journal of Colloid and Interface Science, 1995, 174, 319-326.	9.4	124

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145	The Nucleation Kinetics of Strontium Sulfate in NaCl Solutions up to 6 m and 90Å°C with or without Inhibitors. <i>Journal of Colloid and Interface Science</i> , 1995, 174, 327-335.	9.4	42
146	The Nucleation Kinetics of Calcium Sulfate Dihydrate in NaCl Solutions up to 6 m and 90Å°C. <i>Journal of Colloid and Interface Science</i> , 1994, 162, 297-303.	9.4	129
147	The Seeded Growth of Calcium Sulfate Dihydrate Crystals in NaCl Solutions up to 6 m and 90Å°C. <i>Journal of Colloid and Interface Science</i> , 1994, 163, 372-378.	9.4	36
148	Adsorption/Desorption Hysteresis in Organic Pollutant and Soil/Sediment Interaction. <i>Environmental Science & Technology</i> , 1994, 28, 859-867.	10.0	238
149	The temperature dependence of the solubility product constant of vivianite. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 5373-5378.	3.9	97
150	The inhibition of gypsum and barite nucleation in NaCl brines at temperatures from 25 to 90Å°C. <i>Applied Geochemistry</i> , 1994, 9, 561-567.	3.0	124
151	Ground water transport of hydrophobic organic compounds in the presence of dissolved organic matter. <i>Environmental Toxicology and Chemistry</i> , 1990, 9, 253-263.	4.3	134
152	The solubility and stoichiometry of calcium-diethylenetriaminepenta(methylene phosphonate) at 70Å° in brine solutions at 4.7 and 5.0 pH. <i>Applied Geochemistry</i> , 1990, 5, 527-532.	3.0	47
153	GROUND WATER TRANSPORT OF HYDROPHOBIC ORGANIC COMPOUNDS IN THE PRESENCE OF DISSOLVED ORGANIC MATTER. <i>Environmental Toxicology and Chemistry</i> , 1990, 9, 253.	4.3	2
154	Effect of multiple precipitation inhibitors on calcium carbonate nucleation. <i>Applied Geochemistry</i> , 1988, 3, 549-556.	3.0	53
155	Biodegradation of chemicals in the subsurface environment: Influence of microbial adaptation on the fate of organic pollutants in ground water. <i>Environmental Toxicology and Chemistry</i> , 1985, 4, 721-726.	4.3	42
156	LEACHING OF TRACE ORGANICS INTO WATER FROM FIVE COMMON PLASTICS. <i>Ground Water Monitoring and Remediation</i> , 1983, 3, 68-71.	0.8	33
157	Effect of precipitation inhibitors on calcium carbonate scale formation. <i>Journal of Crystal Growth</i> , 1983, 62, 106-112.	1.5	47
158	Simplified Calculation of CaCO ₃ Saturation at High Temperatures and Pressures in Brine Solutions. <i>JPT, Journal of Petroleum Technology</i> , 1982, 34, 1583-1590.	0.2	91
159	The precipitation of biological minerals. <i>Faraday Discussions of the Chemical Society</i> , 1976, 61, 175.	2.2	20
160	The thermodynamics of ionization of polycarboxylic acids. <i>Journal of Solution Chemistry</i> , 1972, 1, 465-476.	1.2	20
161	Extension of linear free energy relationships to multiple ionizations. <i>Journal of Solution Chemistry</i> , 1972, 1, 477-480.	1.2	0
162	Rigorous solution to the problem of interfering dissociation steps in the titration of polybasic acids. <i>Analytical Chemistry</i> , 1969, 41, 1726-1730.	6.5	20