Mason B Tomson

List of Publications by Year
in descending order

Version: 2024-02-01

162 papers	4,908 citations	87888 38 h-index	114465 63 g-index
162 all docs	162 docs citations	162 times ranked	3057 citing authors

#	Article	IF	Citations
1	Adsorption/Desorption Hysteresis in Organic Pollutant and Soil/Sediment Interaction. Environmental Science & Technology, 1994, 28, 859-867.	10.0	238
2	Naphthalene Adsorption and Desorption from Aqueous C60Fullerene. Journal of Chemical & Engineering Data, 2004, 49, 675-683.	1.9	230
3	Scale Prediction for Oil and Gas Production. SPE Journal, 2012, 17, 362-378.	3.1	162
4	Irreversible Adsorption of Naphthalene and Tetrachlorobiphenyl to Lula and Surrogate Sediments. Environmental Science & Technology, 1997, 31, 2176-2185.	10.0	143
5	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
6	Ground water transport of hydrophobic organic compounds in the presence of dissolved organic matter. Environmental Toxicology and Chemistry, 1990, 9, 253-263.	4.3	134
7	The Nucleation Kinetics of Calcium Sulfate Dihydrate in NaCl Solutions up to 6 m and 90Â°C. Journal of Colloid and Interface Science, 1994, 162, 297-303.	9.4	129
8	The inhibition of gypsum and barite nucleation in NaCl brines at temperatures from 25 to 90Â°C. Applied Geochemistry, 1994, 9, 561-567.	3.0	124
9	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
10	Inhibition of calcium carbonate precipitation in NaCl brines from 25 to 90Â°C. Applied Geochemistry, 1999, 14, 17-25.	3.0	108
11	The temperature dependence of the solubility product constant of vivianite. Geochimica Et Cosmochimica Acta, 1994, 58, 5373-5378.	3.9	97
12	pH-dependent effect of zinc on arsenic adsorption to magnetite nanoparticles. Water Research, 2010, 44, 5693-5701.	11.3	96
13	Transport of Fullerene Nanoparticles (nC₆₀) in Saturated Sand and Sandy Soil: Controlling Factors and Modeling. Environmental Science & Technology, 2012, 46, 7230-7238.	10.0	96
14	Mathematical Inhibitor Model for Barium Sulfate Scale Control. Langmuir, 1996, 12, 1901-1905.	3.5	94
15	Simplified Calculation of CACO3 Saturation at High Temperatures and Pressures in Brine Solutions. JPT, Journal of Petroleum Technology, 1982, 34, 1583-1590.	0.2	91
16	Adsorption and precipitation of an aminoalkylphosphonate onto calcite. Journal of Colloid and Interface Science, 2005, 281, 275-284.	9.4	89
17	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
18	Engineered nanoparticles for hydrocarbon detection in oil-field rocks. Energy and Environmental Science, 2011, 4, 505-509.	30.8	72

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19	Facilitated Transport of 2,2â€²,5,5â€²-Polychlorinated Biphenyl and Phenanthrene by Fullerene Nanoparticles through Sandy Soil Columns. Environmental Science & Technology, 2011, 45, 1341-1348.	10.0	71
20	Effect of Methanol and Ethylene Glycol on Sulfates and Halite Scale Formation. Industrial & Engineering Chemistry Research, 2003, 42, 2399-2408.	3.7	68
21	Uptake and Sequestration of Naphthalene and 1,2-Dichlorobenzene by C60. Journal of Nanoparticle Research, 2005, 7, 555-567.	1.9	68
22	Factors Affecting Scale Inhibitor Retention in Carbonate-Rich Formation During Squeeze Treatment. SPE Journal, 2004, 9, 280-289.	3.1	61
23	Effect of multiple precipitation inhibitors on calcium carbonate nucleation. Applied Geochemistry, 1988, 3, 549-556.	3.0	53
24	Control of Inhibitor Squeeze Through Mechanistic Understanding of Inhibitor Chemistry. SPE Journal, 2006, 11, 283-293.	3.1	53
25	A sorption kinetics model for arsenic adsorption to magnetite nanoparticles. Environmental Science and Pollution Research, 2010, 17, 1053-1062.	5.3	53
26	Enhanced Transport of 2,2â€²,5,5â€²-Polychlorinated Biphenyl by Natural Organic Matter (NOM) and Surfactant-Modified Fullerene Nanoparticles (nC₆₀). Environmental Science & Technology, 2012, 46, 5422-5429.	10.0	53
27	Mechanistic Understanding of Rock/Phosphonate Interactions and the Effect of Metal Ions on Inhibitor Retention. SPE Journal, 2008, 13, 325-336.	3.1	49
28	Solubility Measurements and Predictions of Gypsum, Anhydrite, and Calcite Over Wide Ranges of Temperature, Pressure, and Ionic Strength with Mixed Electrolytes. Rock Mechanics and Rock Engineering, 2017, 50, 327-339.	5.4	49
29	Rare earth elements from waste. Science Advances, 2022, 8, eabm3132.	10.3	49
30	Effect of precipitation inhibitors on calcium carbonate scale formation. Journal of Crystal Growth, 1983, 62, 106-112.	1.5	47
31	The solubility and stoichiometry of calcium-diethylenetriaminepenta(methylene phosphonate) at 70Â° in brine solutions at 4.7 and 5.0 pH. Applied Geochemistry, 1990, 5, 527-532.	3.0	47
32	The Temperature and Ionic Strength Dependence of the Solubility Product Constant of Ferrous Phosphonate. Langmuir, 1998, 14, 3698-3703.	3.5	44
33	Biodegradation of chemicals in the subsurface environment: Influence of microbial adaptation on the fate of organic pollutants in ground water. Environmental Toxicology and Chemistry, 1985, 4, 721-726.	4.3	42
34	The Nucleation Kinetics of Strontium Sulfate in NaCl Solutions up to 6 m and 90Â°C with or without Inhibitors. Journal of Colloid and Interface Science, 1995, 174, 327-335.	9.4	42
35	Highly stable carbon nanoparticles designed for downhole hydrocarbon detection. Energy and Environmental Science, 2012, 5, 8304.	30.8	42
36	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

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37	Scale Prediction and Inhibition for Oil and Gas Production at High Temperature/High Pressure. SPE Journal, 2012, 17, 379-392.	3.1	41
38	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
39	Adsorptionâ€desorption behaviors of hydrophobic organic compounds in sediments of Lake Charles, Louisiana, USA. Environmental Toxicology and Chemistry, 1999, 18, 1610-1616.	4.3	38
40	Quantitative Evaluation of Calcium Sulfate Precipitation Kinetics in the Presence and Absence of Scale Inhibitors. SPE Journal, 2010, 15, 977-988.	3.1	38
41	The Seeded Growth of Calcium Sulfate Dihydrate Crystals in NaCl Solutions up to 6 m and 90Â°C. Journal of Colloid and Interface Science, 1994, 163, 372-378.	9.4	36
42	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
43	Phosphino-polycarboxylic acid modified inhibitor nanomaterial for oilfield scale control: Synthesis, characterization and migration. Journal of Industrial and Engineering Chemistry, 2017, 45, 366-374.	5.8	36
44	Scale Prediction for Oil and Gas Production. , 2010, , .		35
45	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
46	Recent Advances in Scale Prediction: Approach and Limitations. SPE Journal, 2019, 24, 2209-2220.	3.1	35
47	The state of the art in scale inhibitor squeeze treatment. Petroleum Science, 2020, 17, 1579-1601.	4.9	35
48	Control Placement Of Scale Inhibitors In The Formation With Stable Ca-DTPMP Nanoparticle Suspension And Its Transport In Porous Medium. , 2008, , .		34
49	New Approach to Study Iron Sulfide Precipitation Kinetics, Solubility, and Phase Transformation. Industrial & Engineering Chemistry Research, 2017, 56, 9016-9027.	3.7	34
50	LEACHING OF TRACE ORGANICS INTO WATER FROM FIVE COMMON PLASTICS. Ground Water Monitoring and Remediation, 1983, 3, 68-71.	0.8	33
51	Development of a Surrogate Sediment To Study the Mechanisms Responsible for Adsorption/Desorption Hysteresis. Environmental Science & Technology, 1996, 30, 2278-2285.	10.0	33
52	Transport Study of Nanoparticles for Oilfield Application. , 2010, , .		30
53	Surfactant-Assisted Synthesis of Metal-Phosphonate Inhibitor Nanoparticles and Transport in Porous Media. SPE Journal, 2010, 15, 610-617.	3.1	29
54	Barite Nucleation and Inhibition at 0 to 200Â°C With and Without Thermodynamic Hydrate Inhibitors. SPE Journal, 2011, 16, 440-450.	3.1	29

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55	Enhanced Scale-Inhibitor Treatments With the Addition of Zinc. SPE Journal, 2009, 14, 617-626.	3.1	28
56	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
57	Carbon-Based Nanoreporters Designed for Subsurface Hydrogen Sulfide Detection. ACS Applied Materials & Interfaces, 2014, 6, 7652-7658.	8.0	26
58	Ferrous Iron Impact on Phosphonate and Polymeric Scale Inhibitors at Temperature Ranging from 25 to 70Â°C. , 2015, , .		25
59	Mechanistic understanding of calciumâ€“phosphonate solid dissolution and scale inhibitor return behavior in oilfield reservoir: formation of middle phase. Physical Chemistry Chemical Physics, 2016, 18, 21458-21468.	2.8	24
60	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
61	Phosphino-polycarboxylic acid modified inhibitor nanomaterial for oilfield scale control: transport and inhibitor return in formation media. RSC Advances, 2016, 6, 59195-59205.	3.6	23
62	Sorption and desorption characteristics of anionic surfactants to soil sediments. Chemosphere, 2018, 211, 1183-1192.	8.2	22
63	A novel attach-and-release mineral scale control strategy: Laboratory investigation of retention and release of scale inhibitor on pipe surface. Journal of Industrial and Engineering Chemistry, 2019, 70, 462-471.	5.8	22
64	Inhibition Of Barite Scale In The Presence Of Hydrate Inhibitors. SPE Journal, 2005, 10, 256-266.	3.1	21
65	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
66	Two-Stage Model Reveals Barite Crystallization Kinetics from Solution Turbidity. Industrial & Engineering Chemistry Research, 2019, 58, 10864-10874.	3.7	21
67	Rigorous solution to the problem of interfering dissociation steps in the titration of polybasic acids. Analytical Chemistry, 1969, 41, 1726-1730.	6.5	20
68	The thermodynamics of ionization of polycarboxylic acids. Journal of Solution Chemistry, 1972, 1, 465-476.	1.2	20
69	The precipitation of biological minerals. Faraday Discussions of the Chemical Society, 1976, 61, 175.	2.2	20
70	Effect Of Hydrate Inhibitors On Oilfield Scale Formation And Inhibition. , 2002, , .		20
71	Contaminantâ€mobilizing capability of fullerene nanoparticles (nC₆₀): Effect of solventâ€exchange process in nC₆₀ formation. Environmental Toxicology and Chemistry, 2013, 32, 329-336.	4.3	20
72	Barite-Scaling Risk and Inhibition at High Temperature. SPE Journal, 2017, 22, 069-079.	3.1	20

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73	Laboratory Evaluation and Mechanistic Understanding of the Impact of Ferric Species on Oilfield Scale Inhibitor Performance. Energy & Fuels, 2018, 32, 8348-8357.	5.1	20
74	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-SO₄-CO₃-HCO₃-CO₂(aq)-H₂O System up to 250 Â°C and 1500 bar. Industrial & Engineering Chemistry Research, 2017, 56, 6548-6561.	3.7	19
75	Investigation of the impact of ferrous species on the performance of common oilfield scale inhibitors for mineral scale control. Journal of Petroleum Science and Engineering, 2019, 172, 288-296.	4.2	19
76	Scale Formation and Prevention in the Presence of Hydrate Inhibitors. SPE Journal, 2006, 11, 248-258.	3.1	17
77	Ferrous Carbonate Nucleation and Inhibition. , 2008, , .		17
78	A Thermodynamic Model for The Solution Density and Mineral Solubility Predictions up to 250 Â°C, 1,500 Bars for Na-K-Mg-Ca-Ba-Sr-Cl-CO3-HCO3-SO4-CO2 aq Systems. , 2016, , .		17
79	Enhanced Inhibitor Treatments With the Addition of Transition Metal Ions. , 2008, , .		16
80	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
81	Scale Prediction and Inhibition for Unconventional Oil and Gas Production. , 2010, , .		16
82	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
83	Functional scale inhibitor nanoparticle capsule delivery vehicles for oilfield mineral scale control. RSC Advances, 2016, 6, 43016-43027.	3.6	16
84	Factors affecting the release of hydrophobic organic contaminants from natural sediments. Environmental Toxicology and Chemistry, 2000, 19, 2401-2408.	4.3	15
85	Design of Low Sulphate Seawater Injection Based Upon Kinetic Limits. , 2006, , .		15
86	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
87	Phase Stability and Inhibition of Calcium Sulfate in the System NaCl/Monoethylene Glycol/H2O. SPE Journal, 2012, 17, 187-197.	3.1	15
88	A Priori Prediction of Thermodynamic Properties of Electrolytes in Mixed Aqueousâ€“Organic Solvents to Extreme Temperatures. Journal of Physical Chemistry B, 2012, 116, 9033-9042.	2.6	15
89	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
90	Enhanced transport of novel crystalline calcium-phosphonate scale inhibitor nanomaterials and their long term flow back performance in laboratory squeeze simulation tests. RSC Advances, 2016, 6, 5259-5269.	3.6	15

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91	Measurement and Prediction of Thermal Degradation of Scale Inhibitors. SPE Journal, 2014, 19, 1169-1176.	3.1	14
92	Application of a novel tube reactor for investigation of calcium carbonate mineral scale deposition kinetics. Chemical Engineering Research and Design, 2018, 137, 113-124.	5.6	14
93	Nucleation and Crystallization Kinetics of Barium Sulfate in the Hydrodynamic Boundary Layer: An Explanation of Mineral Deposition. Crystal Growth and Design, 2021, 21, 1443-1450.	3.0	14
94	Synthesis and laboratory testing of a novel calcium-phosphonate reverse micelle nanofluid for oilfield mineral scale control. RSC Advances, 2016, 6, 39883-39895.	3.6	13
95	The Use of Inhibition Kinetics and NMR Spectroscopy in Thermal Stability Study of Scale Inhibitors. , 2013, , .		12
96	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
97	Prediction of Barite Scaling Risk and Inhibition for Oil and Gas Production at High Temperature. , 2014, , .		12
98	Mineral Precipitation Kinetics: Assessing the Effect of Hydrostatic Pressure and Its Implication on the Nucleation Mechanism. Crystal Growth and Design, 2016, 16, 4846-4854.	3.0	12
99	Experimental Evaluation of Common Sulfate Mineral Scale Coprecipitation Kinetics in Oilfield Operating Conditions. Energy & Fuels, 2019, 33, 6177-6186.	5.1	12
100	Ultra-HTHP Scale Control for Deepwater Oil and Gas Production. , 2011, , .		11
101	Laboratory evaluation of synergistic effect of transition metals with mineral scale inhibitor in controlling halite scale deposition. Journal of Petroleum Science and Engineering, 2019, 175, 120-128.	4.2	11
102	Identification of Novel Chemicals for Iron Sulfide Scale Control and Understanding of Scale Controlling Mechanism. , 2019, , .		10
103	Mechanistic Aspects of Calcium Phosphonates Precipitation. , 1998, , 493-506.		10
104	Measurement of Total Alkalinity and Carboxylic Acid and Their Relation to Scaling and Corrosion. SPE Journal, 2006, 11, 103-110.	3.1	9
105	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
106	Calcium Sulfate Scaling Risk and Inhibition for a Steamflood Project. SPE Journal, 2017, 22, 881-891.	3.1	9
107	Barite Nucleation and Inhibition at 0-200Â°C, With and Without Hydrate Inhibitors. , 2009, , .		8
108	Effects of Hydrate Inhibitors on the Solubility of Barite and Halite in Produced Water. , 2012, , .		8

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109	Scaling Risk and Inhibition Prediction of Carbonate Scale at High Temperature. , 2017, , .		8
110	Inhibition of Mineral Scale Precipitation by Polymers. , 2002, , 163-171.		7
111	Iron (II)-Calcium Carbonate: Precipitation Interaction. , 2008, , .		7
112	Field Method for Determination of Bicarbonate Alkalinity. , 2014, , .		7
113	Development of modeling approaches to describe mineral scale deposition kinetics in porous medium and pipe flow system. Journal of Petroleum Science and Engineering, 2019, 178, 594-601.	4.2	7
114	Improved Scale Prediction for High Calcium Containing Produced Brine and Sulfide Scales. , 2020, , .		7
115	A Program for Evaluating Dual-Equilibrium Desorption Effects on Remediation. Ground Water, 2004, 42, 620-624.	1.3	6
116	Oil Field Mineral Scale Control. , 2015, , 603-617.		6
117	Transport and return of an oilfield scale inhibitor reverse micelle nanofluid: impact of preflush and overflush. RSC Advances, 2016, 6, 66672-66681.	3.6	6
118	Facile one-pot synthesis of metal-phosphonate colloidal scale inhibitor: Synthesis and laboratory evaluation. Fuel, 2020, 282, 118855.	6.4	6
119	Prevention of Mineral Scale Deposition Using Dispersants and Inhibitors. , 2020, , .		6
120	Investigation of sorptive interaction between phosphonate inhibitor and barium sulfate for oilfield scale control. Journal of Petroleum Science and Engineering, 2022, 208, 109425.	4.2	6
121	Interactions of common scale inhibitors and formation mineral (calcium carbonate): Sorption and transportability investigations under equilibrium and dynamic conditions. Journal of Petroleum Science and Engineering, 2022, , 110696.	4.2	6
122	Mineral-Scale Control in Subsea Completion. , 2001, , .		5
123	Improvement of Thermodynamic Modeling of Calcium Carbonate and Calcium Sulfates at High Temperature and High Pressure in Mixed Electrolytes. , 2014, , .		5
124	The Effect of Pressure and TDS on Barite Scaling Kinetics. , 2015, , .		5
125	Impact of High Calcium Concentration on Sulfate Scale Prediction at High Temperature from 120Â°C to 220Â°C. , 2018, , .		5
126	Kinetics and Thermodynamics of Iron Sulfide, Precipitation, Deposition and Control. , 2019, , .		5

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127	A new CSTR method for scale inhibitor evaluation. Chemical Engineering Journal, 2022, 437, 135351.	12.7	5
128	Engineered Nanoparticles for Hydrocarbon Dectection in Oil-Field Rocks. , 2011, , .		4
129	A Novel Approach to the Study of CaCO3 Precipitation Kinetics on Carbon Steel Pipe. , 2012, , .		4
130	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
131	A Novel and Comprehensive Study of Polymeric and Traditional Phosphonate Inhibitors for High Temperature Scale Control. , 2012, , .		4
132	Experimental and Modeling Study on Enhancement of Squeeze Treatment in Sandstone by the Addition of Zinc Ion. , 2014, , .		4
133	An Assay Method for the Detection of all Scale Inhibitors at Extremely low Concentration. , 2014, , .		4
134	Acid/base and metal complex solution chemistry of sulfonated polyacrylate copolymer versus temperature and ionic strength. Applied Geochemistry, 2017, 76, 1-8.	3.0	4
135	Thermodynamic Properties and Solubility of Sodium and Potassium Chloride in Ethane-1,2-diol/Water Mixed Solvent Systems to High Temperatures. Journal of Chemical & Engineering Data, 2017, 62, 1326-1334.	1.9	4
136	Developments on Calcium Sulfate Scaling Prediction and Control in Oil and Gas Production. , 2020, , .		4
137	Growth inhibition and deposition prevention of sulfide scales using dispersants. Journal of Petroleum Science and Engineering, 2021, 197, 108107.	4.2	4
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	Boehmite Based Sulphonated Polymer Nanoparticles with ImprovedSqueeze Performance for Deepwater Scale Control. , 2013, , .		3
140	Systematic Study of Barite Nucleation and Inhibition with Various Polymeric Scale Inhibitors by Novel Laser Apparatus. , 2014, , .		3
141	Calcium Sulfate Scaling Risk and Inhibition for a Steamflood Project. , 2016, , .		3
142	Identification of a new high-molecular-weight Feâ^'citrate species at low citrate-to-Fe molar ratios: Impact on arsenic removal with ferric hydroxide. Chemosphere, 2018, 212, 50-55.	8.2	3
143	Experimental Evaluation of Attach-and-Release Mineral Scale Control Strategy for Aqueous Fluid Transporting Pipelines. Energy & Fuels, 2022, 36, 14673-14681.	5.1	3
144	Automated Analytical Method To Determine Solution Alkalinity of Oilfield Brine in the Presence of Weak Organic Acids. Industrial & Engineering Chemistry Research, 2019, 58, 4667-4673.	3.7	3

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145	Thermodynamic Model Improvements for Common Minerals at High Temperature, High Pressure and High TDS with Mixed Salts. , 2013, , .		2
146	Modeling H2S Partitioning in Deep Water Production Systems. , 2017, , .		2
147	Recent Advances in Scale Prediction, Approach, and Limitations. , 2018, , .		2
148	Prediction Models of Barite Crystallization and Inhibition Kinetics: Applications for Oil and Gas Industry. Sustainability, 2021, 13, 8533.	3.2	2
149	GROUND WATER TRANSPORT OF HYDROPHOBIC ORGANIC COMPOUNDS IN THE PRESENCE OF DISSOLVED ORGANIC MATTER. Environmental Toxicology and Chemistry, 1990, 9, 253.	4.3	2
150	IMPACT OF IRREVERSIBLE SORPTION ON BIOAVAILABILITY, RISK ASSESSMENT, AND SITE REMEDIATION. Proceedings of the Water Environment Federation, 2000, 2000, 598-615.	0.0	1
151	Molar Ratio of Ca2+ to Fe2+ in the Supersaturated Solution of Iron Carbonate and Calcium Carbonate and in the Precipitate: Relation and Interpretation. , 2009, , .		1
152	Synthesis and Sorption Study of AlOOH Nanoparticle Cross-Linked Polymeric Scale Inhibitors and their Squeeze Performance in Porous Media. , 2013, , .		1
153	Attchment/Release of Phosphonate to/from a CaCO Surface in Supersaturated Brines. , 2014, , .		1
154	Modeling Analysis of Two Common Organic Pollutants' Adsorption and Desorption from Activated Carbon, C₆₀, and Soil Organic Carbon. Environmental Engineering Science, 2019, 36, 136-147.	1.6	1
155	A rapid experimental protocol to determine the desorption resistant fraction of sediment-sorbed hydrophobic organic contaminants. Environmental Science and Pollution Research, 2020, 27, 1449-1460.	5.3	1
156	Laboratory investigation of co-precipitation of CaCO3/BaCO3 mineral scale solids at oilfield operating conditions: Impact of brine chemistry. Oil and Gas Science and Technology, 2020, 75, 83.	1.4	1
157	FACTORS AFFECTING THE RELEASE OF HYDROPHOBIC ORGANIC CONTAMINANTS FROM NATURAL SEDIMENTS. Environmental Toxicology and Chemistry, 2000, 19, 2401.	4.3	1
158	New Halite Testing Methods for High Temperature and from Low to Very High Calcium Content Brine. , 2022, , .		1
159	Extension of linear free energy relationships to multiple ionizations. Journal of Solution Chemistry, 1972, 1, 477-480.	1.2	0
160	Modeling Irreversible Sorption of Hydrophobic Organic Contaminants in Natural Sediments. ACS Symposium Series, 2000, , 58-69.	0.5	0
161	Sequestration of organic contaminants in soil/sediment and its impact on contaminant fate. Diqiu Huaxue, 2006, 25, 262-263.	0.5	0
162	Novel Laser-Hydrothermal Apparatus for Nucleation and Inhibition Study of Scale Minerals at Temperatures up to 250Â°C. , 2019, , .		0