

Narayan Bhandari

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photoinduced Oxidation of Arsenite to Arsenate on Ferrihydrite. Environmental Science & Technology, 2011, 45, 2783-2789.	10.0	94
2	Photoinduced Oxidation of Arsenite to Arsenate in the Presence of Goethite. Environmental Science & Technology, 2012, 46, 8044-8051.	10.0	85
3	Ferrihydrite reactivity toward carbon dioxide. Journal of Colloid and Interface Science, 2009, 337, 492-500.	9.4	79
4	Investigation of Surface Structures by Powder Diffraction: A Differential Pair Distribution Function Study on Arsenate Sorption on Ferrihydrite. Inorganic Chemistry, 2010, 49, 325-330.	4.0	53
5	Photodissolution of Ferrihydrite in the Presence of Oxalic Acid: An In Situ ATR-FTIR/DFT Study. Langmuir, 2010, 26, 16246-16253.	3.5	53
6	Coupled Redox Transformation of Chromate and Arsenite on Ferrihydrite. Environmental Science & Technology, 2015, 49, 2858-2866.	10.0	51
7	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
8	Neutron Pair Distribution Function Study of Two-Line Ferrihydrite. Environmental Science & Technology, 2011, 45, 9883-9890.	10.0	37
9	Development and Application of a New Theoretical Model for Additive Impacts on Mineral Crystallization. Crystal Growth and Design, 2017, 17, 4006-4014.	3.0	36
10	Adsorption and precipitation of scale inhibitors on shale formations. Journal of Petroleum Science and Engineering, 2015, 136, 32-40.	4.2	34
11	New Approach to Study Iron Sulfide Precipitation Kinetics, Solubility, and Phase Transformation. Industrial & Engineering Chemistry Research, 2017, 56, 9016-9027.	3.7	34
12	An assay method to determine mineral scale inhibitor efficiency in produced water. Journal of Petroleum Science and Engineering, 2016, 143, 103-112.	4.2	31
13	Barite scale formation and inhibition in laminar and turbulent flow: A rotating cylinder approach. Journal of Petroleum Science and Engineering, 2017, 149, 183-192.	4.2	30
14	Determination of adsorption isotherm parameters with correlated errors by measurement error models. Chemical Engineering Journal, 2015, 281, 921-930.	12.7	29
15	Ferrous Iron Impact on Phosphonate and Polymeric Scale Inhibitors at Temperature Ranging from 25 to 70°C. , 2015, , .		25
16	Adsorption of carbon dioxide on Al/Fe oxyhydroxide. Journal of Colloid and Interface Science, 2013, 400, 1-10.	9.4	22
17	Two-Stage Model Reveals Barite Crystallization Kinetics from Solution Turbidity. Industrial & Engineering Chemistry Research, 2019, 58, 10864-10874.	3.7	21
18	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 Å°C and 1500 bar. Industrial & Engineering Chemistry Research, 2017, 56, 6548-6561.	3.7	19

#	ARTICLE	IF	CITATIONS
19	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
20	Development of Novel Iron Sulfide Scale Control Chemicals. , 2018, , .		14
21	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
22	The Effect of Pressure and TDS on Barite Scaling Kinetics. , 2015, , .		5
23	Scale Formation and Control Under Turbulent Conditions. , 2016, , .		4
24	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