

Michael A Reynolds

List of Publications by Citations

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18
papers

415
citations

11
h-index

20
g-index

22
ext. papers

488
ext. citations

6.4
avg, IF

3.78
L-index

#	Paper	IF	Citations
18	The influence of cyanide on the carbonylation of iron(II): synthesis of Fe-Sr-Cn-Co centers related to the hydrogenase active sites. <i>Journal of the American Chemical Society</i> , 2001 , 123, 6933-4	16.4	75
17	Re ₂ (CO) ₁₀ -Mediated Carbon-Hydrogen and Carbon-Sulfur Bond Cleavage of Dibenzothiophene and 2,5-Dimethylthiophene <i>Organometallics</i> , 2001 , 20, 1071-1078	3.8	52
16	Ruthenium Derivatives of NiS ₂ N ₂ Complexes as Analogues of Bioorganometallic Reaction Centers. <i>Organometallics</i> , 2003 , 22, 1619-1625	3.8	46
15	Highly-active nickel phosphide hydrotreating catalysts prepared in situ using nickel hypophosphite precursors. <i>Journal of Catalysis</i> , 2016 , 335, 204-214	7.3	45
14	Fit-for-purpose treatment goals for produced waters in shale oil and gas fields. <i>Water Research</i> , 2020 , 173, 115467	12.5	36
13	Transition Metal Complexes of Chromium, Molybdenum, Tungsten, and Manganese Containing η^5 (S)-2,5-Dimethylthiophene, Benzothiophene, and Dibenzothiophene Ligands. <i>Organometallics</i> , 1999 , 18, 4075-4081	3.8	33
12	Carbazole hydrodenitrogenation over nickel phosphide and Ni-rich bimetallic phosphide catalysts. <i>Applied Catalysis A: General</i> , 2014 , 482, 221-230	5.1	30
11	Re ₂ (CO) ₁₀ -promoted S-binding, C-S bond cleavage, and hydrogenation of benzothiophenes: organometallic models for the hydrodesulfurization of thiophenes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1689-97	16.4	29
10	Organometallic models of catalytic hydrodesulfurization: Re ₂ (CO) ₁₀ -promoted cleavage of C-S bonds in benzothiophene. <i>Chemical Communications</i> , 2000 , 513-514	5.8	19
9	Hydrogenation and carbon-sulfur bond hydrogenolysis of benzothiophene promoted by Re ₂ (CO) ₁₀ and H ₄ Re ₄ (CO) ₁₂ . <i>Inorganic Chemistry</i> , 2003 , 42, 2191-3	5.1	18
8	A Technical Playbook for Chemicals and Additives Used in the Hydraulic Fracturing of Shales. <i>Energy & Fuels</i> , 2020 , 34, 15106-15125	4.1	14
7	A microfluidic approach for probing hydrodynamic effects in barite scale formation. <i>Lab on A Chip</i> , 2019 , 19, 1534-1544	7.2	10
6	Acidic Polysaccharides as Green Alternatives for Barite Scale Dissolution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 55434-55443	9.5	2
5	Lignin-Derived Non-Heme Iron and Manganese Complexes: Catalysts for the On-Demand Production of Chlorine Dioxide in Water under Mild Conditions. <i>Inorganic Chemistry</i> , 2021 , 60, 2905-2913	5.1	2
4	Suppressing Barium Sulfate Crystallization with Hydroxycitrate: A Dual Nucleation and Growth Inhibitor. <i>Chemistry of Materials</i> , 2021 , 33, 6997-7007	9.6	1
3	Alginate as a green inhibitor of barite nucleation and crystal growth. <i>Molecular Systems Design and Engineering</i> , 2021 , 6, 508-519	4.6	1
2	Room-Temperature Catalytic Treatment of High-Salinity Produced Water at Neutral pH. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 10356-10363	3.9	0

- 1 Minireview on the Evolution of Tetrathiomallate Salts as Protean Building Blocks of Catalysts and Materials for the Energy Transition: Recent Advances and Future Perspectives. *Energy & Fuels*, 4.1