

Mohamed F Mady

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Silicon-metal hybrid nanoparticles as nanofluid scale inhibitors in oil/gas applications. , 2022, , 353-361.		0
2	Exploring Modified Alendronic Acid as a New Inhibitor for Calcium-Based Oilfield Scales. Energy & Fuels, 2022, 36, 1863-1873.	2.5	9
3	Oilfield scale inhibitors: Synthetic and performance aspects. , 2022, , 325-352.		7
4	Fosfomycin and Its Derivatives: New Scale Inhibitors for Oilfield Applications. ACS Omega, 2022, 7, 10701-10708.	1.6	7
5	Efficient Electrochemical Reduction of CO ₂ to CO by Ag-Decorated B-Doped g-C ₃ N ₄ : A Combined Theoretical and Experimental Study. Industrial & Engineering Chemistry Research, 2022, 61, 10400-10408.	1.8	11
6	Phosphonated Lower-Molecular-Weight Polyethyleneimines as Oilfield Scale Inhibitors: An Experimental and Theoretical Study. Industrial & Engineering Chemistry Research, 2022, 61, 9586-9599.	1.8	2
7	Reliability and Performance of Vinyl Lactam-Based Kinetic Hydrate Inhibitor Polymers after Treatment under a Range of Conditions. Energy & Fuels, 2021, 35, 1273-1280.	2.5	10
8	Synthesis and Antiscaling Evaluation of Novel Hydroxybisphosphonates for Oilfield Applications. ACS Omega, 2021, 6, 6488-6497.	1.6	16
9	Design, Synthesis, Anticancer Evaluation, Enzymatic Assays, and a Molecular Modeling Study of Novel Pyrazole-Indole Hybrids. ACS Omega, 2021, 6, 12361-12374.	1.6	56
10	Synthesis and Study of Modified Polyaspartic Acid Coupled Phosphonate and Sulfonate Moieties As Green Oilfield Scale Inhibitors. Industrial & Engineering Chemistry Research, 2021, 60, 8331-8339.	1.8	26
11	Antiscaling Evaluation and Quantum Chemical Studies of Nitrogen-Free Organophosphorus Compounds for Oilfield Scale Management. Industrial & Engineering Chemistry Research, 2021, 60, 12175-12188.	1.8	12
12	Investigation of the Antiscaling Performance of Phosphonated Chitosan for Upstream Petroleum Industry Application. ACS Sustainable Chemistry and Engineering, 2021, 9, 16494-16505.	3.2	12
13	Review of Nanotechnology Impacts on Oilfield Scale Management. ACS Applied Nano Materials, 2020, 3, 7343-7364.	2.4	36
14	Environmentally Friendly Phosphonated Polyetheramine Scale Inhibitors-Excellent Calcium Compatibility for Oilfield Applications. Industrial & Engineering Chemistry Research, 2020, 59, 9808-9818.	1.8	37
15	Sulfonated Nonpolymeric Aminophosphonate Scale Inhibitors-Improving the Compatibility and Biodegradability. Energy & Fuels, 2019, 33, 6197-6204.	2.5	23
16	Study of Novel Aromatic Aminomethylenephosphonates as Oilfield Scale Inhibitors. Energy & Fuels, 2019, 33, 228-237.	2.5	22
17	Synergism of <i>tert</i> -Heptylated Quaternary Ammonium Salts with Poly(<i>N</i> -vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T5 2018, 32, 4841-4849.	2.5	17
18	Kidney Stone Prevention: Dynamic Testing of Edible Calcium Oxalate Scale Inhibitors. Crystal Growth and Design, 2018, 18, 7441-7450.	1.4	13

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19	Synthesis and Characterization of Modified Aliphatic Polycarbonates as Environmentally Friendly Oilfield Scale Inhibitors. <i>Energy & Fuels</i> , 2018, 32, 6746-6755.	2.5	33
20	Design, Synthesis and Antitumor Evaluation of Novel Pyrazolopyrimidines and Pyrazoloquinazolines. <i>Molecules</i> , 2018, 23, 1249.	1.7	38
21	Overview of the Synthesis of Salts of Organophosphonic Acids and Their Application to the Management of Oilfield Scale. <i>Energy & Fuels</i> , 2017, 31, 4603-4615.	2.5	49
22	Study on Various Readily Available Proteins as New Green Scale Inhibitors for Oilfield Scale Control. <i>Energy & Fuels</i> , 2017, 31, 5940-5947.	2.5	45
23	Synthesis and antitumor activity of some new pyrazolo[1,5- <i>a</i>]pyrimidines. <i>Chinese Chemical Letters</i> , 2017, 28, 388-393.	4.8	66
24	Acylamide and Amine Oxide Derivatives of Linear and Hyperbranched Polyethylenimine. Part 2: Comparison of Gas Kinetic Hydrate Inhibition Performance. <i>Energy & Fuels</i> , 2016, 30, 5665-5671.	2.5	22
25	An Efficient Synthesis of 1-(4H-1,2,4-Triazol-3-yl)-Hexahydroquinoline-3-carbonitrile and their Spiro Derivatives from β^2 -Enaminones. <i>Heterocycles</i> , 2016, 92, 637.	0.4	21
26	Acylamide and Amine Oxide Derivatives of Linear and Hyperbranched Polyethylenimines. Part 1: Comparison of Tetrahydrofuran Hydrate Crystal Growth Inhibition Performance. <i>Energy & Fuels</i> , 2016, 30, 3934-3940.	2.5	26
27	High-Throughput Testing of Kinetic Hydrate Inhibitors. <i>Energy & Fuels</i> , 2016, 30, 5432-5438.	2.5	17
28	Synthesis and Evaluation of New Bisphosphonates as Inhibitors for Oilfield Carbonate and Sulfate Scale Control. <i>Energy & Fuels</i> , 2016, 30, 9329-9338.	2.5	44
29	Tris(tert-heptyl)-N-alkyl-1-ammonium bromides "Powerful THF hydrate crystal growth inhibitors and their synergism with poly-vinylcaprolactam kinetic gas hydrate inhibitor. <i>Chemical Engineering Science</i> , 2016, 144, 275-282.	1.9	31
30	Microwave-assisted synthesis of novel pyrazole and pyrazolo[3,4- <i>d</i>]pyridazine derivatives incorporating diaryl sulfone moiety as potential antimicrobial agents. <i>Research on Chemical Intermediates</i> , 2016, 42, 753-769.	1.3	22
31	<i>N,N'</i> -Dimethylhydrazidoacrylamides. Part 3: Improving Kinetic Hydrate Inhibitor Performance Using Polymers of <i>N,N'</i> -Dimethylhydrazidomethacrylamide. <i>Energy & Fuels</i> , 2015, 29, 7923-7930.	2.5	25
32	<i>N,N'</i> -Dimethylhydrazidoacrylamides. Part 2: High-Cloud-Point Kinetic Hydrate Inhibitor Copolymers with <i>N</i> -Vinylcaprolactam and Effect of pH on Performance. <i>Energy & Fuels</i> , 2015, 29, 678-685.	2.5	35
33	The first kinetic hydrate inhibition investigation on fluorinated polymers: Poly(fluoroalkylacrylamide)s. <i>Chemical Engineering Science</i> , 2014, 119, 230-235.	1.9	26
34	<i>N,N'</i> -Dimethylhydrazidoacrylamides. Part 1: Copolymers with <i>N</i> -Isopropylacrylamide as Novel High-Cloud-Point Kinetic Hydrate Inhibitors. <i>Energy & Fuels</i> , 2014, 28, 5714-5720.	2.5	30
35	Ultrasound-assisted synthesis of novel 1,2,3-triazoles coupled diaryl sulfone moieties by the CuAAC reaction, and biological evaluation of them as antioxidant and antimicrobial agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 84, 433-443.	2.6	97
36	One-pot Suzuki-Miyaura cross-coupling followed by reductive monoalkylation of the resulting nitro biaryl system utilizing Pd/C as catalyst. <i>Tetrahedron Letters</i> , 2013, 54, 4772-4775.	0.7	24

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37	Fluorinated Quaternary Ammonium Bromides: Studies on Their Tetrahydrofuran Hydrate Crystal Growth Inhibition and as Synergists with Polyvinylcaprolactam Kinetic Gas Hydrate Inhibitor. <i>Energy & Fuels</i> , 2013, 27, 5175-5181.	2.5	26
38	Comparative Studies on Conventional and Ultrasound-Assisted Synthesis of Novel Homoallylic Alcohol Derivatives Linked to Sulfonyl Dibenzene Moiety in Aqueous Media. <i>Journal of Chemistry</i> , 2013, 2013, 1-9.	0.9	8
39	Ultrasound assisted synthesis of some new 1,3,4-thiadiazole and bi(1,3,4-thiadiazole) derivatives incorporating pyrazolone moiety. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 70-74.	3.8	61
40	Simplified Approach to the Uncatalyzed Knoevenagel Condensation and Michael Addition Reactions in Water using Microwave Irradiation. <i>Synthetic Communications</i> , 2007, 37, 3961-3970.	1.1	65