

# Mazen Y Kanj

## List of Publications by Year in descending order

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28  
papers

529  
citations

758635

12  
h-index

752256

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanofluid Coreflood Experiments in the ARAB-D. , 2009, , .		56
2	Industry First Field Trial of Reservoir Nanoagents. , 2011, , .		50
3	Dynamics, Aggregation, and Interfacial Properties of the Partially Hydrolyzed Polyacrylamide Polymer for Enhanced Oil Recovery Applications: Insights from Molecular Dynamics Simulations. Energy & Fuels, 2018, 32, 3335-3343.	2.5	48
4	Diffusiophoresis of charged colloidal particles in the limit of very high salinity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18257-18262.	3.3	47
5	Porothermoelastic analyses of anisotropic hollow cylinders with applications. International Journal for Numerical and Analytical Methods in Geomechanics, 2005, 29, 103-126.	1.7	44
6	Wettability Alteration in Carbonate Reservoirs by Carbon Nanofluids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 598, 124819.	2.3	38
7	Experimental Evaluation of Carbon Dots Stabilized Foam for Enhanced Oil Recovery. Energy & Fuels, 2019, 33, 9629-9643.	2.5	35
8	Ultra-sensitive in-situ detection of near-infrared persistent luminescent tracer nanoagents in crude oil-water mixtures. Scientific Reports, 2016, 6, 27993.	1.6	27
9	Review of foam stability in porous media: The effect of coarsening. Journal of Petroleum Science and Engineering, 2022, 208, 109698.	2.1	24
10	Poromechanics of Anisotropic Hollow Cylinders. Journal of Engineering Mechanics - ASCE, 2003, 129, 1277-1287.	1.6	23
11	Encapsulation of an Anionic Surfactant into Hollow Spherical Nanosized Capsules: Size Control, Slow Release, and Potential Use for Enhanced Oil Recovery Applications and Environmental Remediation. ACS Omega, 2021, 6, 5689-5697.	1.6	17
12	Specificity and Synergy at the Oil-Brine Interface: New Insights from Experiments and Molecular Dynamics Simulations. Energy & Fuels, 2021, 35, 14647-14657.	2.5	15
13	Carbon nanodots for enhanced oil recovery in carbonate reservoirs. Energy Reports, 2021, 7, 8943-8959.	2.5	14
14	The Generalized Lamé Problem—Part I: Coupled Poromechanical Solutions. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 168-179.	1.1	13
15	Exploring a mechanistic approach for characterizing transient and steady state foam flow in porous media. Journal of Natural Gas Science and Engineering, 2018, 60, 214-227.	2.1	11
16	The Generalized Lamé Problem—Part II: Applications in Poromechanics. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 180-189.	1.1	10
17	Spontaneous imbibition characteristics of carbon nanofluids in carbonate reservoirs. Energy Reports, 2021, 7, 4235-4248.	2.5	10
18	Colloidal solution of luminescent ZnO quantum dots embedded silica as nano-tracers for remote sensing applications. Journal of Molecular Liquids, 2019, 274, 447-454.	2.3	9

#	ARTICLE	IF	CITATIONS
19	Oil industry first field trial of inter-well reservoir nanoagent tracers. , 2015, , .		8
20	Reservoir Nanoagents for In-Situ Sensing and Intervention. , 2013, , 51-67.		6
21	Stimuli-Responsive, Hydrolyzable Poly(Vinyl Laurate- <i>co</i> -vinyl Acetate) Nanoparticle Platform for In Situ Release of Surfactants. ACS Applied Materials & Interfaces, 2021, 13, 25553-25562.	4.0	6
22	Microfluidic Investigation of Foam Coarsening Dynamics in Porous Media at High-Pressure and High-Temperature Conditions. Langmuir, 2022, 38, 2895-2905.	1.6	6
23	Monitoring the Early Stages of Formation of Oil-Water Emulsions Using Flow Cytometry. Langmuir, 2022, 38, 62-71.	1.6	4
24	Evaluation of the Dynamic Interfacial Tension between Viscoelastic Surfactant Solutions and Oil Using Porous Micromodels. Langmuir, 2022, 38, 6387-6394.	1.6	4
25	Taming Complexities of Coupled Geomechanics in Rock Testing: From Assessing Reservoir Compaction to Analyzing Stability of Expandable Sand Screens and Solid Tubulars. SPE Journal, 2007, 12, 293-304.	1.7	3
26	Carbon Dots Stabilized Foam for Enhanced Oil Recovery. , 2021, , .		1
27	Adaptive multi-photon imaging of subsurface nanoparticle flow in porous rock. , 2015, , .		0
28	Capturing the Dynamics of Foam Coarsening in a HPHT Microfluidic System. , 2021, , .		0