

# Omeid Rahmani

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,035  
citations

331259

21  
h-index

414034

32  
g-index

39  
all docs

39  
docs citations

39  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of surfactant adsorption by clay minerals. Journal of Petroleum Science and Engineering, 2013, 101, 21-27.	2.1	115
2	Application of Landsat-8, Sentinel-2, ASTER and WorldView-3 Spectral Imagery for Exploration of Carbonate-Hosted Pb-Zn Deposits in the Central Iranian Terrane (CIT). Remote Sensing, 2020, 12, 1239.	1.8	89
3	Landsat-8, Advanced Spaceborne Thermal Emission and Reflection Radiometer, and WorldView-3 Multispectral Satellite Imagery for Prospecting Copper-Gold Mineralization in the Northeastern Inglefield Mobile Belt (IMB), Northwest Greenland. Remote Sensing, 2019, 11, 2430.	1.8	72
4	Effects of sonication radiation on oil recovery by ultrasonic waves stimulated water-flooding. Ultrasonics, 2013, 53, 607-614.	2.1	70
5	Mapping Listvenite Occurrences in the Damage Zones of Northern Victoria Land, Antarctica Using ASTER Satellite Remote Sensing Data. Remote Sensing, 2019, 11, 1408.	1.8	60
6	TOC determination of Gadvan Formation in South Pars Gas field, using artificial intelligent systems and geochemical data. Journal of Petroleum Science and Engineering, 2011, 78, 119-130.	2.1	56
7	CO <sub>2</sub> sequestration by indirect mineral carbonation of industrial waste red gypsum. Journal of CO <sub>2</sub> Utilization, 2018, 27, 374-380.	3.3	51
8	Mineral Carbonation of Red Gypsum for CO <sub>2</sub> Sequestration. Energy & Fuels, 2014, 28, 5953-5958.	2.5	39
9	An experimental study of accelerated mineral carbonation of industrial waste red gypsum for CO <sub>2</sub> sequestration. Journal of CO <sub>2</sub> Utilization, 2020, 35, 265-271.	3.3	39
10	Impact of household demographic characteristics on energy conservation and carbon dioxide emission: Case from Mahabad city, Iran. Energy, 2020, 194, 116916.	4.5	36
11	A mechanistic understanding of the water-in-heavy oil emulsion viscosity variation: effect of asphaltene and wax migration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 608, 125604.	2.3	34
12	Mobility control in carbon dioxide-enhanced oil recovery process using nanoparticle-stabilized foam for carbonate reservoirs. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 550, 245-255.	2.3	31
13	Calcite precipitation from by-product red gypsum in aqueous carbonation process. RSC Advances, 2014, 4, 45548-45557.	1.7	29
14	Reaction Mechanism of Wollastonite In Situ Mineral Carbonation for CO <sub>2</sub> Sequestration: Effects of Saline Conditions, Temperature, and Pressure. ACS Omega, 2020, 5, 28942-28954.	1.6	28
15	Kinetics Analysis of CO <sub>2</sub> Mineral Carbonation Using Byproduct Red Gypsum. Energy & Fuels, 2016, 30, 7460-7464.	2.5	27
16	Determinants of Variation in Household Energy Choice and Consumption: Case from Mahabad City, Iran. Sustainability, 2019, 11, 4775.	1.6	27
17	An Overview of Household Energy Consumption and Carbon Dioxide Emissions in Iran. Processes, 2020, 8, 994.	1.3	27
18	Organic geochemistry of Gadvan and Kazhdumi formations (Cretaceous) in South Pars field, Persian Gulf, Iran. Journal of Petroleum Science and Engineering, 2010, 70, 57-66.	2.1	25

#	ARTICLE	IF	CITATIONS
19	Siderite precipitation using by-product red gypsum for CO2 sequestration. Journal of CO2 Utilization, 2018, 24, 321-327.	3.3	23
20	Evidences for secondary cracking of oil in South Pars field, Persian Gulf, Iran. Journal of Petroleum Science and Engineering, 2011, 76, 85-92.	2.1	22
21	Experimental Investigation and Simplistic Geochemical Modeling of CO2 Mineral Carbonation Using the Mount Tawai Peridotite. Molecules, 2016, 21, 353.	1.7	22
22	Identification of Phyllosilicates in the Antarctic Environment Using ASTER Satellite Data: Case Study from the Mesa Range, Campbell and Priestley Glaciers, Northern Victoria Land. Remote Sensing, 2021, 13, 38.	1.8	22
23	H2S Origin in South Pars gas field from Persian Gulf, Iran. Journal of Petroleum Science and Engineering, 2012, 86-87, 217-224.	2.1	19
24	The effects of polymer and surfactant on polymer enhanced foam stability. , 2013, , .		12
25	Geochemical Analysis for Determining Total Organic Carbon Content Based on $\delta^{13}C_{org}$ Technique in the South Pars Field. Minerals (Basel, Switzerland), 2019, 9, 735.	0.8	11
26	Potential for CO2 Mineral Carbonation in the Paleogene Segamat Basalt of Malaysia. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	9
27	Depositional environment, seismic stratigraphy, and Sr-isotope geochronology, Bangestan reservoir, Ahwaz oilfield, SW Iran. Journal of Petroleum Science and Engineering, 2022, 208, 109629.	2.1	9
28	Geochemical characteristics of the Silurian-Devonian Kroh black shales, Peninsular Malaysia: An implication for hydrocarbon exploration. Journal of Geochemical Exploration, 2022, 232, 106891.	1.5	8
29	Prediction of remaining useful life (RUL) of Komatsu excavator under reliability analysis in the Weibull-frailty model. PLoS ONE, 2020, 15, e0236128.	1.1	7
30	The origin of oil in the Cretaceous succession from the South Pars Oil Layer of the Persian Gulf. International Journal of Earth Sciences, 2013, 102, 1337-1355.	0.9	6
31	Sequence stratigraphy of the Triassic Period: Case from the Dashtak and Khaneh-Kat formations, the Zagros Basin, Iran. Journal of Petroleum Science and Engineering, 2018, 167, 447-457.	2.1	5
32	Use of olivine for carbon dioxide mineral sequestration. , 2013, , .		2
33	A Three-Dimensional Finite-Element Model in ABAQUS to Analyze Wellbore Instability and Determine Mud Weight Window. Energies, 2022, 15, 3449.	1.6	1
34	Hydrocarbon Potential of Kazhdumi Formation in Persian Gulf, Offshore Iran. , 2010, , .		0
35	Toc Determination of Gadvan Formation in South Pars Gas Field, Using Artificial Neural Network Technique. , 2010, , .		0