

# Hassan Eltom

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

306  
citations

840776

11  
h-index

888059

17  
g-index

25  
all docs

25  
docs citations

25  
times ranked

191  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Effect of bioturbation on petrophysical properties: Insights from geostatistical and flow simulation modeling. <i>Marine and Petroleum Geology</i> , 2019, 104, 259-269.   | 3.3 | 28        |
| 2  | MICROPOROSITY IN THE UPPER JURASSIC ARAB-D CARBONATE RESERVOIR, CENTRAL SAUDI ARABIA: AN OUTCROP ANALOGUE STUDY. <i>Journal of Petroleum Geology</i> , 2013, 36, 281-297.  | 1.5 | 27        |
| 3  | Rare earth element geochemistry of shallow carbonate outcropping strata in Saudi Arabia: Application for depositional environments prediction. <i>Sedimentary Geology</i> , 2017, 348, 51-68.                                      | 2.1 | 25        |
| 4  | Paleogeographic and paleo-oceanographic influences on carbon isotope signatures: Implications for global and regional correlation, Middle-Upper Jurassic of Saudi Arabia. <i>Sedimentary Geology</i> , 2018, 364, 89-102.          | 2.1 | 22        |
| 5  | Potential overlooked bioturbated reservoir zones in the shallow marine strata of the Hanifa Formation in central Saudi Arabia. <i>Marine and Petroleum Geology</i> , 2021, 124, 104798.  | 3.3 | 20        |
| 6  | Evidence for the development of a superpermeability flow zone by bioturbation in shallow marine strata, upper Jubaila Formation, central Saudi Arabia. <i>Marine and Petroleum Geology</i> , 2020, 120, 104512.                    | 3.3 | 19        |
| 7  | High-resolution facies and porosity models of the upper Jurassic Arab-D carbonate reservoir using an outcrop analogue, central Saudi Arabia. <i>Arabian Journal of Geosciences</i> , 2013, 6, 4323-4335.                           | 1.3 | 17        |
| 8  | Limitation of laboratory measurements in evaluating rock properties of bioturbated strata: A case study of the Upper Jubaila Member in central Saudi Arabia. <i>Sedimentary Geology</i> , 2020, 398, 105573.                       | 2.1 | 17        |
| 9  | Integration of facies architecture, ooid granulometry and morphology for prediction of reservoir quality, Lower Triassic Khuff Formation, Saudi Arabia. <i>Petroleum Geoscience</i> , 2017, 23, 177-189.                           | 1.5 | 16        |
| 10 | Impact of Upwelling On Heterozoan, Biosiliceous, and Organic-rich Deposits: Jurassic (oxfordian) Hanifa Formation, Saudi Arabia. <i>Journal of Sedimentary Research</i> , 2017, 87, 1235-1258.                                     | 1.6 | 16        |
| 11 | Porosity evolution within high-resolution sequence stratigraphy and diagenesis framework: outcrop analog of the upper Jurassic Arab-D reservoir, Central Saudi Arabia. <i>Arabian Journal of Geosciences</i> , 2015, 8, 1669-1690. | 1.3 | 13        |
| 12 | Understanding the permeability of burrow-related gas reservoirs through integrated laboratory techniques. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 90, 103917.  | 4.4 | 11        |
| 13 | Characterizing and modeling the Upper Jurassic Arab-D reservoir using outcrop data from Central Saudi Arabia. <i>Georabia</i> , 2014, 19, 53-84.   | 1.6 | 11        |
| 14 | GEOCHEMICAL CHARACTERIZATION OF THE PERMIAN-TRIASSIC TRANSITION AT OUTCROP, CENTRAL SAUDI ARABIA. <i>Journal of Petroleum Geology</i> , 2016, 39, 95-113.  | 1.5 | 9         |
| 15 | Controlling Factors on Petrophysical and Acoustic Properties of Bioturbated Carbonates: (Upper) Tj ETQq1 1 0.784314 rgBT (Overlooked)  | 2.5 | 9         |
| 16 | Redox conditions through the Permian-Triassic transition in the upper Khuff formation, Saudi Arabia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 472, 203-215.  | 2.3 | 8         |
| 17 | Use of geostatistical modeling to improve the understanding of permeability upscaling in isotropic and anisotropic burrowed reservoirs. <i>Marine and Petroleum Geology</i> , 2021, 129, 105067.                                   | 3.3 | 8         |
| 18 | Three-Dimensional Modeling and Fluid Flow Simulation for the Quantitative Description of Permeability Anisotropy in Tidal Flat Carbonate. <i>Energies</i> , 2020, 13, 5557.  | 3.1 | 7         |

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|----|--|-----|-----------|
| 19 | Chemical oceanographic influences on sediment accumulations of a carbonate ramp: Holocene Yucatan Shelf, Mexico. <i>Sedimentology</i> , 2021, 68, 324-351.   | 3.1 | 5         |
| 20 | Three-dimensional outcrop reservoir analog model: A case study of the Upper Khuff Formation oolitic carbonates, central Saudi Arabia. <i>Journal of Petroleum Science and Engineering</i> , 2017, 150, 115-127.  | 4.2 | 4         |
| 21 | The negative impact of Ophiomorpha on reservoir quality of channelized deposits in mixed carbonate siliciclastic setting: The case study of the Dam Formation, Saudi Arabia. <i>Marine and Petroleum Geology</i> , 2022, 140, 105666.                        | 3.3 | 4         |
| 22 | Calibration of bulk carbonate strontium isotopes to ammonite zones: Implication for global stratigraphic correlation of Callovian–Kimmeridgian strata in Central Saudi Arabia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 564, 110083. | 2.3 | 3         |
| 23 | Lateral and Vertical Trends of Preferred Flow Pathways Associated with Bioturbated Carbonate: Examples From Middle to Upper Jurassic Strata, Central Saudi Arabia. , 2019, , 126-140.  |     | 3         |
| 24 | Distinct Petroacoustic Signature of Burrow-Related Carbonate Reservoirs: Outcrop Analog Study, Hanifa Formation, Central Saudi Arabia. <i>Natural Resources Research</i> , 2022, 31, 2673-2698.  | 4.7 | 3         |
| 25 | On the scale dependence of estimating burrow intensity of <i>Thalassinoides</i> from two-dimensional views. <i>Marine and Petroleum Geology</i> , 2022, 142, 105709.   | 3.3 | 1         |