

Sadoon Morad

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spatial and temporal distribution of diagenetic alterations in siliciclastic rocks: implications for mass transfer in sedimentary basins. <i>Sedimentology</i> , 2000, 47, 95-120.	1.6	515
2	The impact of diagenesis on the heterogeneity of sandstone reservoirs: A review of the role of depositional facies and sequence stratigraphy. <i>AAPG Bulletin</i> , 2010, 94, 1267-1309.	0.7	462
3	Diagenesis and reservoir quality evolution of palaeocene deep-water, marine sandstones, the Shetland-Faroes Basin, British continental shelf. <i>Marine and Petroleum Geology</i> , 2008, 25, 514-543.	1.5	165
4	Diagenesis and Reservoir-Quality Evolution of Incised-Valley Sandstones: Evidence from the Abu Madi Gas Reservoirs (Upper Miocene), the Nile Delta Basin, Egypt. <i>Journal of Sedimentary Research</i> , 2005, 75, 572-584.	0.8	121
5	Sequence stratigraphic distribution of diagenetic alterations in coal-bearing, paralic sandstones: evidence from the Rio Bonito Formation (early Permian), southern Brazil. <i>Sedimentology</i> , 2003, 50, 855-877.	1.6	109
6	Diagenesis and formation water chemistry of Triassic reservoir sandstones from southern Tunisia. <i>Sedimentology</i> , 1994, 41, 1253-1272.	1.6	97
7	Distribution of Diagenetic Alterations in Siliciclastic Shoreface Deposits within a Sequence Stratigraphic Framework: Evidence from the Upper Jurassic, Boulonnais, NW France. <i>Journal of Sedimentary Research</i> , 2005, 75, 943-959.	0.8	95
8	Distribution of Diagenetic Alterations in Fluvial, Deltaic, and Shallow Marine Sandstones Within a Sequence Stratigraphic Framework: Evidence from the Mullaghmore Formation (Carboniferous), NW Ireland. <i>Journal of Sedimentary Research</i> , 2002, 72, 760-774.	0.8	92
9	Identification of primary Ce-anomaly signatures in fossil biogenic apatite: implication for the Cambrian oceanic anoxia and phosphogenesis. <i>Sedimentary Geology</i> , 2001, 143, 259-264.	1.0	86
10	Alteration of detrital Fe-Ti oxides in sedimentary rocks. <i>Bulletin of the Geological Society of America</i> , 1986, 97, 567.	1.6	73
11	The role of detrital composition and climate on the diagenetic evolution of continental molasses: evidence from the Cambro-Ordovician guaritas sequence, southern Brazil. <i>Sedimentary Geology</i> , 1994, 92, 197-228.	1.0	71
12	Distribution of diagenetic alterations in fluvial and paralic deposits within sequence stratigraphic framework: Evidence from the Petrohan Terrigenous Group and the Svidol Formation, Lower Triassic, NW Bulgaria. <i>Sedimentary Geology</i> , 2006, 190, 299-321.	1.0	70
13	Meteoric-water diagenesis in late Cretaceous canyon-fill turbidite reservoirs from the Esp�rito Santo Basin, eastern Brazil. <i>Marine and Petroleum Geology</i> , 2012, 37, 7-26.	1.5	69
14	REE patterns in latest Neoproterozoic-early Cambrian phosphate concretions and associated organic matter. <i>Chemical Geology</i> , 2002, 187, 257-265.	1.4	68
15	Impact of stylolitization on diagenesis of a Lower Cretaceous carbonate reservoir from a giant oilfield, Abu Dhabi, United Arab Emirates. <i>Sedimentary Geology</i> , 2016, 335, 70-92.	1.0	60
16	Controls on the quality of Archean metamorphic and Jurassic volcanic reservoir rocks from the Xinglongtai buried hill, western depression of Liaohe basin, China. <i>AAPG Bulletin</i> , 2005, 89, 1319-1346.	0.7	53
17	Proterozoic braided ephemeral fluvial deposits: an example from the Dhandraul Sandstone Formation of the Kaimur Group, Son Valley, central India. <i>Sedimentary Geology</i> , 1993, 84, 101-114.	1.0	52
18	Vein calcite in cretaceous carbonate reservoirs of Abu Dhabi: Record of origin of fluids and diagenetic conditions. <i>Journal of Geochemical Exploration</i> , 2010, 106, 156-170.	1.5	49

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19	Hydrothermal dolomitization of the Bekhme formation (Upper Cretaceous), Zagros Basin, Kurdistan Region of Iraq: Record of oil migration and degradation. <i>Sedimentary Geology</i> , 2016, 341, 147-162.	1.0	47
20	Diagenetic K-feldspar pseudomorphs in the Triassic Buntsandstein sandstones of the Iberian Range, Spain. <i>Sedimentology</i> , 1989, 36, 635-650.	1.6	46
21	Stylolites and Porosity In A Lower Cretaceous Limestone Reservoir, Onshore Abu Dhabi, U.A.E.. <i>Journal of Sedimentary Research</i> , 2016, 86, 1228-1247.	0.8	46
22	Diagenetic Evolution and Porosity Destruction of Turbiditic Hybrid Arenites and Siliciclastic Sandstones of Foreland Basins: Evidence from the Eocene Hecho Group, Pyrenees, Spain. <i>Journal of Sedimentary Research</i> , 2009, 79, 711-735.	0.8	45
23	Mica Alteration Reactions in Jurassic Reservoir Sandstones from the Haltenbanken Area, Offshore Norway. <i>Clays and Clay Minerals</i> , 1990, 38, 584-590.	0.6	44
24	Diagenesis of carbonate cements in Permo-Triassic sandstones from the Iberian Range, Spain: evidence from chemical composition and stable isotopes. <i>Sedimentary Geology</i> , 1990, 67, 281-295.	1.0	43
25	Provenance of siliciclastic and hybrid turbiditic arenites of the Eocene Hecho Group, Spanish Pyrenees: implications for the tectonic evolution of a foreland basin. <i>Basin Research</i> , 2010, 22, 157-180.	1.3	43
26	Geochemistry and diagenesis of stratabound calcite cement layers within the Rannoch Formation of the Brent Group, Murchison Field, North Viking Graben (northern North Sea)â€”comment. <i>Sedimentary Geology</i> , 1994, 93, 135-141.	1.0	42
27	IMPACT OF DIAGENESIS ON RESERVOIRâ€™QUALITY EVOLUTION IN FLUVIAL AND LACUSTRINEâ€™DELTAIC SANDSTONES: EVIDENCE FROM JURASSIC AND TRIASSIC SANDSTONES FROM THE ORDOS BASIN, CHINA. <i>Journal of Petroleum Geology</i> , 2009, 32, 79-102.	0.9	41
28	Distribution of carbonate cements within depositional facies and sequence stratigraphic framework of shoreface and deltaic arenites, Lower Miocene, the Gulf of Suez rift, Egypt. <i>Marine and Petroleum Geology</i> , 2013, 45, 267-280.	1.5	41
29	Distribution of diagenetic alterations within depositional facies and sequence stratigraphic framework of fluvial sandstones: Evidence from the Petrohan Terrigenous Group, Lower Triassic, NW Bulgaria. <i>Marine and Petroleum Geology</i> , 2009, 26, 1212-1227.	1.5	38
30	SEM study of authigenic rutile, anatase and brookite in Proterozoic sandstones from Sweden. <i>Sedimentary Geology</i> , 1986, 46, 77-89.	1.0	35
31	Distribution of diagenetic alterations in glaciogenic sandstones within a depositional facies and sequence stratigraphic framework: Evidence from the Upper Ordovician of the Murzuq Basin, SW Libya. <i>Sedimentary Geology</i> , 2006, 190, 323-351.	1.0	35
32	Petrology, chemistry and diagenesis of calcite concretions in Silurian shales from central Sweden. <i>Sedimentary Geology</i> , 1990, 66, 113-134.	1.0	34
33	Diagenesis of siliciclastic and volcanoclastic sediments in the Cretaceous and Miocene sequences of the NW African margin (DSDP Leg 47A, Site 397). <i>Sedimentary Geology</i> , 1997, 112, 137-156.	1.0	34
34	The impact of meteoric water on the diagenetic alterations in deep-water, marine siliciclastic turbidites. <i>Journal of Geochemical Exploration</i> , 2006, 89, 254-258.	1.5	33
35	Origin of Authigenic Mn-Fe Carbonates and Pore-Water Evolution in Marine Sediments: Evidence from Cenozoic Strata of the Arctic Ocean and Norwegian-Greenland Sea (ODP Leg 151). <i>Journal of Sedimentary Research</i> , 2000, 70, 682-699.	0.8	32
36	Diagenesis of titaniferous minerals in Jurassic sandstones from the Norwegian Sea. <i>Sedimentary Geology</i> , 1988, 57, 17-40.	1.0	31

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37	Predictive distribution of shallow marine, low-porosity (pseudomatrix-rich) sandstones in a sequence stratigraphic framework—example from the Ferron sandstone, Upper Cretaceous, USA. <i>Marine and Petroleum Geology</i> , 2006, 23, 29-36.	1.5	30
38	AN INTEGRATED STUDY OF DIAGENESIS AND DEPOSITIONAL FACIES IN TIDAL SANDSTONES: HAWAZ FORMATION (MIDDLE ORDOVICIAN), MURZUQ BASIN, LIBYA. <i>Journal of Petroleum Geology</i> , 2009, 32, 39-65.	0.9	30
39	Hydrothermal alteration of plagioclase in granitic rocks from Proterozoic basement of SE Sweden. <i>Geological Journal</i> , 2010, 45, 105-116.	0.6	30
40	Impact of structural setting on diagenesis of fluvial and tidal sandstones: The Bahi Formation, Upper Cretaceous, NW Sirt Basin, North Central Libya. <i>Marine and Petroleum Geology</i> , 2012, 38, 211-231.	1.5	30
41	The role of mixing-zone dolomitization in sandstone cementation: evidence from the Triassic Buntsandstein, the Iberian Range, Spain. <i>Sedimentary Geology</i> , 1992, 80, 53-65.	1.0	29
42	Diagenetic alterations related to marine transgression and regression in fluvial and shallow marine sandstones of the Triassic Buntsandstein and Keuper sequence, the Paris Basin, France. <i>Marine and Petroleum Geology</i> , 2009, 26, 289-309.	1.5	29
43	Impact of depositional facies on the distribution of diagenetic alterations in the Devonian shoreface sandstone reservoirs, Southern Ghadamis Basin, Libya. <i>Sedimentary Geology</i> , 2015, 329, 62-80.	1.0	29
44	Saddle dolomite and calcite cements as records of fluid flow during basin evolution: Paleogene carbonates, United Arab Emirates. <i>Marine and Petroleum Geology</i> , 2016, 74, 71-91.	1.5	29
45	Diagenesis of a limestone reservoir (Lower Cretaceous), Abu Dhabi, United Arab Emirates: Comparison between the anticline crest and flanks. <i>Sedimentary Geology</i> , 2019, 380, 127-142.	1.0	28
46	Authigenesis of amphibole and its relationship to the diagenetic evolution of lower cretaceous sandstones of the Potiguar rift basin, northeastern Brazil. <i>Sedimentary Geology</i> , 1994, 88, 253-266.	1.0	27
47	Origin of low $\delta^{18}O$, pre-compactional ferroan carbonates in the marine St. Formation (Middle Tertiary) offshore Abu Dhabi, United Arab Emirates. <i>Marine and Petroleum Geology</i> , 2014, 51, 107-127.	1.5	27
48	HYDROTHERMAL ALTERATION OF MAGMATIC TITANITE: EVIDENCE FROM PROTEROZOIC GRANITIC ROCKS, SOUTHEASTERN SWEDEN. <i>Canadian Mineralogist</i> , 2009, 47, 801-811.	0.3	26
49	Comparison of the diagenetic and reservoir quality evolution between the anticline crest and flank of an Upper Jurassic carbonate gas reservoir, Abu Dhabi, United Arab Emirates. <i>Sedimentary Geology</i> , 2018, 367, 96-113.	1.0	26
50	Microstructures of Deformed and Non-Deformed Sandstones from the North Sea: Implications for the Origins of Quartz Cement in Sandstones. <i>Journal of Sedimentary Research</i> , 2000, 70, 129-146.		25
51	Diagenesis of a mixed siliciclastic/evaporitic sequence of the Middle Muschelkalk (Middle Triassic), the Catalan Coastal Range, NE Spain. <i>Sedimentology</i> , 1995, 42, 749-768.	1.6	24
52	Diagenesis of the Khuff Formation (Permian–Triassic), northern United Arab Emirates. <i>Arabian Journal of Geosciences</i> , 2010, 3, 351-368.	0.6	24
53	Albitized microcline grains of post-depositional and probable detrital origins in Brattum Formation sandstones (Upper Proterozoic), Sparagmite Region of southern Norway. <i>Geological Magazine</i> , 1988, 125, 229-239.	0.9	21
54	Conditions of rhodochrosite-nodule formation in Neogene-Pleistocene deep-sea sediments: evidence from O, C and Sr isotopes. <i>Sedimentary Geology</i> , 1997, 114, 295-304.	1.0	21

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55	Pore-scale simulation of transport properties of carbonate rocks using FIB-SEM 3D microstructure: Implications for field scale solute transport simulations. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 42, 13-22.	2.1	21
56	Diagenesis of quartz in the Upper Proterozoic Kaimur Sandstones, Son Valley, central India. <i>Sedimentary Geology</i> , 1991, 73, 209-225.	1.0	20
57	Conditions of formation and diagenetic evolution of Upper Proterozoic phosphate nodules from southern Sweden: evidence from petrology, mineral chemistry and isotopes. <i>Sedimentary Geology</i> , 1994, 88, 267-282.	1.0	20
58	Chloritization in Proterozoic granite from the Åspång Laboratory, southeastern Sweden: record of hydrothermal alterations and implications for nuclear waste storage. <i>Clay Minerals</i> , 2011, 46, 495-513.	0.2	20
59	Impact of Stylolitization On Fluid Flow and Diagenesis in Foreland Basins: Evidence from an Upper Jurassic Carbonate Gas Reservoir, Abu Dhabi, United Arab Emirates. <i>Journal of Sedimentary Research</i> , 2018, 88, 1345-1361.	0.8	20
60	Diagenetic chloritization of feldspars in sandstones. <i>Sedimentary Geology</i> , 1987, 51, 155-164.	1.0	19
61	DIAGENETIC ALTERATIONS AND RESERVOIR QUALITY EVOLUTION OF LOWER CRETACEOUS FLUVIAL SANDSTONES: NUBIAN FORMATION, SIRT BASIN, NORTH-CENTRAL LIBYA. <i>Journal of Petroleum Geology</i> , 2015, 38, 217-239.	0.9	19
62	Some remarks on the stability of sphene in diagenetic environments. <i>Chemical Geology</i> , 1988, 70, 249-255.	1.4	18
63	The Different Processes Involved in the Mechanism of Pressure Solution in Quartz-Rich Rocks and their Interactions. , 0, , 67-78.		18
64	Quantification of diagenesis impact on the reservoir properties of the Jurassic Arab D and C members (Offshore, U.A.E.). <i>Geofluids</i> , 2013, 13, 204-220.	0.3	18
65	Fluid-rock interactions associated with regional tectonics and basin evolution. <i>Sedimentology</i> , 2014, 61, 660-690.	1.6	18
66	Origin and evolution of microporosity in packstones and grainstones in a Lower Cretaceous carbonate reservoir, United Arab Emirates. <i>Geological Society Special Publication</i> , 2018, 435, 47-66.	0.8	18
67	Chemistry of Detrital Biotites and their Phyllosilicate Intergrowths in Sandstones. <i>Clays and Clay Minerals</i> , 1986, 34, 539-548.	0.6	17
68	Pyrite-chlorite and pyrite-biotite relations in sandstones. <i>Sedimentary Geology</i> , 1986, 49, 177-192.	1.0	16
69	Limited thermochemical sulfate reduction in hot, anhydritic, sour gas carbonate reservoirs: The Upper Jurassic Arab Formation, United Arab Emirates. <i>Marine and Petroleum Geology</i> , 2019, 106, 30-41.	1.5	16
70	Sedimentology, C ₁ -S ₁ -Fe relationships and stable isotopic compositions in Devonian black mudrocks, Mackenzie Mountains, Northwest Territories, Canada. <i>Sedimentary Geology</i> , 1996, 106, 279-298.	1.0	15
71	Depositional and diagenetic controls on reservoir quality of microporous basinal lime mudstones (Aptian), United Arab Emirates. <i>Sedimentary Geology</i> , 2021, 420, 105925.	1.0	14
72	Diagenetic alteration of detrital biotite in Proterozoic sedimentary rocks from Sweden. <i>Sedimentary Geology</i> , 1986, 47, 95-107.	1.0	13

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73	Diagenetic replacement of feldspars by titanium oxides in sandstones. <i>Sedimentary Geology</i> , 1987, 51, 147-153.	1.0	13
74	Quartz and Fe-dolomite Cements Record Shifts in Formation-water Chemistry and Hydrocarbon Migration in Devonian Shoreface Sandstones, Ghadamis Basin, Libya. <i>Journal of Sedimentary Research</i> , 2017, 88, 38-57.	0.8	13
75	Integration of stable isotopes, radiometric dating and microthermometry of saddle dolomite and host dolostones (Cretaceous carbonates, Kurdistan, Iraq): New insights into hydrothermal dolomitization. <i>Marine and Petroleum Geology</i> , 2021, 127, 104989.	1.5	13
76	A SEM study of diagenetic kaolinization and illitization of detrital feldspars in sandstones. <i>Clay Minerals</i> , 1987, 22, 237-243.	0.2	11
77	Diagenesis of Paleozoic playa-lake and ephemeral-stream deposits from the Pimenta Bueno Formation, Siluro-Devonian (?) of the Parecis Basin, central Brazil. <i>Journal of South American Earth Sciences</i> , 2011, 32, 58-74.	0.6	11
78	Sequence stratigraphic controls on formation of dolomite: Insights from the Carboniferous Um Bogma Formation, Sinai-Egypt. <i>Journal of Petroleum Science and Engineering</i> , 2017, 149, 531-539.	2.1	11
79	The influence of methane fluxes on the sulfate/methane interface in sediments from the Rio Grande Cone Gas Hydrate Province, southern Brazil. <i>Brazilian Journal of Geology</i> , 2017, 47, 369-381.	0.3	11
80	Reconstruction of the diagenesis of the fluvial-lacustrine-deltaic sandstones and its influence on the reservoir quality evolution. <i>Science in China Series D: Earth Sciences</i> , 2002, 45, 616-634.	0.9	10
81	Quantification of Detrital, Authigenic and Porosity Components of the Fontainebleau Sandstone: A Comparison of Conventional Optical and Combined Scanning Electron Microscope-Based Methods of Modal Analyses. , 0, , 89-101.		9
82	Meteoric-water incursion into marine turbiditic sandstones: Evidence from the Andrew Formation (Paleocene), UK Central Graben, North sea. <i>Marine and Petroleum Geology</i> , 2020, 118, 104428.	1.5	9
83	Origin of holocene beachrock cements in northeastern Brazil: Evidence from carbon and oxygen isotopes. <i>Journal of South American Earth Sciences</i> , 2017, 79, 401-408.	0.6	8
84	Short-term variation of ooid mineralogy in the Triassic-Jurassic boundary interval and its environmental implications: Evidence from the equatorial Ghalilah Formation, United Arab Emirates. <i>Global and Planetary Change</i> , 2019, 182, 103006.	1.6	8
85	High-Temperature Quartz Cement and the Role of Stylolites in a Deep Gas Reservoir, Spiro Sandstone, Arkoma Basin, USA. , 0, , 281-297.		7
86	Quartz Cementation in Cretaceous and Jurassic Reservoir Sandstones from the Salam Oil Field, Western Desert, Egypt: Constraints on Temperature and Timing of Formation from Fluid Inclusions. , 0, , 163-182.		6
87	Packstones and floatstones: Ambiguous textures and origins in need of critical appraisal. <i>Marine and Petroleum Geology</i> , 2020, 118, 104425.	1.5	6
88	Upper Cretaceous wedge-top to foredeep architecture in the United Arab Emirates: Insights from the Faiyah Anticline. <i>Geological Journal</i> , 2021, 56, 2602-2624.	0.6	5
89	Proterozoic Mn-oxide precipitation by planktonic plant protists (acritarchs). <i>Geological Magazine</i> , 1989, 126, 301-305.	0.9	4
90	Related Quartz and Illite Cementation in the Brent Sandstones: A Modelling Approach. , 0, , 51-66.		4

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91	Quartz Cement Origins and Budget in the Tumblagooda Sandstone, Western Australia. , 0, , 219-229.		4
92	Origin of Drusy Dolomite Cement in Permo-Triassic Dolostones, Northern United Arab Emirates. Water (Switzerland), 2021, 13, 1908.	1.2	4
93	Petrophysical and Petrographical Analysis of Quartz Cement Volumes across Oil-Water Contacts in the Magnus Field, Northern North Sea. , 0, , 147-161.		3
94	Chemistry of micas and chlorite in Proterozoic acid metavolcanics and associated rocks from the Hårfors area, Norberg ore district, central Sweden. Contributions To Mineralogy and Petrology, 1988, 100, 19-34.	1.2	2
95	Diagenesis of the Khuff Formation (Permian-Triassic), Northern United Arab Emirates. Frontiers in Earth Sciences, 2013, , 203-220.	0.1	2
96	Diagenetic Matrix in Proterozoic Graywackes from Sweden. Journal of Sedimentary Research, 1984, Vol. 54, .	0.8	2
97	Geochemical zones of diagenesis in siliciclastic sediments. Gff, 1996, 118, 120-120.	0.4	1
98	A Test of Hypotheses Regarding Quartz Cementation in Sandstones: A Quantitative Image Analysis Approach. , 0, , 79-88.		1
99	Diagenetic K-Feldspar Pseudomorphs in the Triassic Buntsandstein Sandstones of the Iberian Range, Spain. , 0, , 489-504.		1
100	Paragenesis of secondary Ca-Al silicates during hydrothermal alteration of Proterozoic granitic rocks (SE Sweden). Geological Journal, 2021, 56, 2135-2147.	0.6	1
101	Comparison of the Diagenetic and Reservoir Quality Evolution Between the Anticline Crest and Flank of an Upper Jurassic Carbonate Reservoir, Abu Dhabi, United Arab Emirates. , 2017, , .		0