Kitty Lou Milliken

List of Publications by Year
in descending order

60 papers	4,770 citations	218592 26 h-index	254106 43 g-index
64 all docs	64 docs citations	64 times ranked	2965 citing authors

#	Article	IF	Citations
1	Effect of organic-matter type and thermal maturity on methane adsorption in shale-gas systems. Organic Geochemistry, 2012, 47, 120-131.	0.9	985
2	Organic matter-hosted pore system, Marcellus Formation (Devonian), Pennsylvania. AAPG Bulletin, 2013, 97, 177-200.	0.7	847
3	Experimental investigation of main controls to methane adsorption in clay-rich rocks. Applied Geochemistry, 2012, 27, 2533-2545.	1.4	533
4	Pore types and pore-size distributions across thermal maturity, Eagle Ford Formation, southern Texas. AAPG Bulletin, 2015, 99, 1713-1744.	0.7	275
5	Grain assemblages and strong diagenetic overprinting in siliceous mudrocks, Barnett Shale (Mississippian), Fort Worth Basin, Texas. AAPG Bulletin, 2012, 96, 1553-1578.	0.7	209
6	Microbial precipitation of dolomite in methanogenic groundwater. Geology, 2004, 32, 277.	2.0	208
7	Imaging pores in sedimentary rocks: Foundation of porosity prediction. Marine and Petroleum Geology, 2016, 73, 590-608.	1.5	113
8	Quartz types, authigenic and detrital, in the Upper Cretaceous Eagle Ford Formation, South Texas, USA. Sedimentary Geology, 2016, 339, 273-288.	1.0	110
9	Prediction of lithofacies and reservoir quality using well logs, Late Cretaceous Williams Fork Formation, Mamm Creek field, Piceance Basin, Colorado. AAPG Bulletin, 2011, 95, 1699-1723.	0.7	101
10	Diagenetic evolution of Cenozoic sandstones, Gulf of Mexico sedimentary basin. Sedimentary Geology, 1987, 50, 195-225.	1.0	89
11	Open-system chemical behavior in deep Wilcox Group mudstones, Texas Gulf Coast, USA. Marine and Petroleum Geology, 2010, 27, 1804-1818.	1.5	88
12	Mesozoic-Cenozoic Unroofing of the Southern Appalachian Basin: Apatite Fission Track Evidence from Middle Pennsylvanian Sandstones. Journal of Geology, 1994, 102, 655-668.	0.7	86
13	Systematic destruction of K-feldspar in deeply buried rift and passive margin sandstones. Journal of the Geological Society, 2001, 158, 675-683.	0.9	78
14	Multiple causes of diagenetic fabric anisotropy in weakly consolidated mud, Nankai accretionary prism, IODP Expedition 316. Journal of Structural Geology, 2010, 32, 1887-1898.	1.0	74
15	Feldspar diagenesis in the Frio Formation, Brazoria County, Texas Gulf Coast. Geology, 1981, 9, 314.	2.0	72
16	Geochemical evidence of organic matter source input and depositional environments in the lower and upper Eagle Ford Formation, south Texas. Organic Geochemistry, 2016, 98, 66-81.	0.9	71
17	Fracture capture of organic pores in shales. Geophysical Research Letters, 2017, 44, 2167-2176.	1.5	64
18	Release of mineral-bound water prior to subduction tied to shallow seismogenic slip off Sumatra. Science, 2017, 356, 841-844.	6.0	57

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19	Fabric anisotropy induced by primary depositional variations in the silt: clay ratio in two fine-grained slope fan complexes: Texas Gulf Coast and northern North Sea. Sedimentary Geology, 2010, 226, 42-53.	1.0	55
20	Diagenesis and sealing capacity of the middle Tuscaloosa mudstone at the Cranfield carbon dioxide injection site, Mississippi, U.S.A.. Environmental Geosciences, 2011, 18, 35-53.	0.6	54
21	Chemical and isotopic composition of gases released by crush methods from organic rich mudrocks. Organic Geochemistry, 2014, 73, 16-28.	0.9	54
22	â€œChertyâ€•stringers in the Barnett Shale are agglutinated foraminifera. Sedimentary Geology, 2007, 198, 221-232.	1.0	53
23	The Diagenetic Role of Brittle Deformation in Compaction and Pressure Solution, Etjo Sandstone, Namibia. Journal of Geology, 1995, 103, 339-347.	0.7	46
24	Quartz types in the Upper Pennsylvanian organicâ€•rich Cline Shale (Wolfcamp D), Midland Basin, Texas: Implications for silica diagenesis, porosity evolution and rock mechanical properties. Sedimentology, 2020, 67, 2040-2064.	1.6	46
25	Brittle Deformation in Sandstone Diagenesis as Revealed by Scanned Cathodoluminescence Imaging with Application to Characterization of Fractured Reservoirs. , 2000, , 225-243.		38
26	Phyllosilicate orientation demonstrates early timing of compactional stabilization in calcite-cemented concretions in the Barnett Shale (Late Mississippian), Fort Worth Basin, Texas (U.S.A). Sedimentary Geology, 2008, 208, 27-35.	1.0	34
27	Giant calciteâ€•cemented concretions, Dakota Formation, central Kansas, USA. Sedimentology, 2006, 53, 1161-1179.	1.6	30
28	Loss of Provenance Information Through Subsurface Diagenesis in Plio-Pleistocene Sandstones, Northern Gulf of Mexico. Journal of Sedimentary Research, 1988, Vol. 58, .	0.8	25
29	The Silicified Evaporite Syndrome--Two Aspects of Silicification History of Former Evaporite Nodules from Southern Kentucky and Northern Tennessee. Journal of Sedimentary Research, 1979, Vol. 49, .	0.8	24
30	Grain composition and diagenesis of organic-rich lacustrine tarls, Triassic Yanchang Formation, Ordos Basin, China. Interpretation, 2017, 5, SF189-SF210.	0.5	24
31	Chapter 8 Provenance and Diagenesis of Heavy Minerals, Cenozoic Units of the Northwestern Gulf of Mexico Sedimentary Basin. Developments in Sedimentology, 2007, 58, 247-261.	0.5	22
32	A method for estimating microporosity of fineâ€•grained sediments and sedimentary rocks via scanning electron microscope image analysis. Sedimentology, 2016, 63, 1507-1521.	1.6	18
33	Geochemical evidence for oil and gas expulsion in Triassic lacustrine organic-rich mudstone, Ordos Basin, China. Interpretation, 2017, 5, SF41-SF61.	0.5	18
34	Mauna Loa's submarine western flank: Landsliding, deep volcanic spreading, and hydrothermal alteration. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	1.0	17
35	Chemical Behavior of Detrital Feldspars in Mudrocks Versus Sandstones, Frio Formation (Oligocene), South Texas. Journal of Sedimentary Research, 1992, Vol. 62, .	0.8	16
36	SEM-Based Cathodoluminescence Imaging for Discriminating Quartz Types in Mudrocks. , 2013, , .		15

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37	A Compositional Classification For Grain Assemblages In Fine-Grained Sediments and Sedimentary Rocksâ€"Reply. Journal of Sedimentary Research, 2016, 86, 6-10.	0.8	14
38	Effect of Organic Matter Properties, Clay Mineral Type and Thermal Maturity on Gas Adsorption in Organic-Rich Shale Systems. , 2013, , .		13
39	Predicting flow properties in diagenetically-altered media with multi-scale process-based modeling: A Wilcox Formation case study. Marine and Petroleum Geology, 2019, 100, 179-194.	1.5	13
40	Chemostratigraphic insights into fluvio-lacustrine deposition, Yanchang Formation, Upper Triassic, Ordos Basin, China. Interpretation, 2017, 5, SF149-SF165.	0.5	12
41	Major advances in siliciclastic sedimentary geology, 1960â€"2012. , 2013, , .		10
42	Chemical diagenetic constraints on the timing of cataclasis in deformed sandstone along the Pine Mountain overthrust, eastern Kentucky. Journal of Structural Geology, 2010, 32, 1923-1932.	1.0	9
43	Discussion in response to Knut BjÃ¸rlykke regarding JMPG_1376 "Open-System Chemical Behavior In Deep Wilcox Group Mudstones, Texas Gulf Coast, USA". Marine and Petroleum Geology, 2011, 28, 1383-1384.	1.5	9
44	Virtual carbonate thin section using PDF: New method for interactive visualization and archiving. Carbonates and Evaporites, 2004, 19, 87-92.	0.4	8
45	Cross-Formational Flux of Aluminium and Potassium in Gulf Coast (USA) Sediments. , 0, , 147-160.		7
46	Microscale Distribution of Kaolinite in Breathitt Formation Sandstones (Middle Pennsylvanian): Implications for Mass Balance. , 0, , 343-360.		4
47	A tutorial for sandstone petrology: architecture and development of an interactive program for teaching highly visual material. Computers and Geosciences, 2003, 29, 1127-1135.	2.0	3
48	A Quantitative Pore-Scale Investigation On The Paragenesis of Wilcox Tight Gas Sandstone. , 2015, , .		3
49	Amorphous and Crystalline Solids as Artifacts in SEM Images. , 0, , 1-8.		3
50	Introduction to special section: Lacustrine shale characterization and shale resource potential in Ordos Basin, China. Interpretation, 2017, 5, SFi-SFii.	0.5	1
51	Grain Assemblages in Organic-Rich Mudstones Dominated by Extrabasinal Sediment Sources, Yanchang Formation (Triassic), Ordos Basin, China. , 2015, , .		1
52	Diagenesis. , 1978, , 339-349.		1
53	Diagenesis. , 1978, , 339-349.		1
54	Detrital Composition of Pliocene-Pleistocene Sands, Offshore Louisiana: ABSTRACT. AAPG Bulletin, 1984, 68, .	0.7	0

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55	A Quantitative Pore-Scale Investigation on the Paragenesis of Wilcox Tight Gas Sandstone. , 2015, , .		0
56	Elemental Distribution and Microfabric Characterization Across a Buried Slump Scar: New Insights on the Long-Term Development and Reactivation of Scar Surfaces from a Microscopic Perspective. Advances in Natural and Technological Hazards Research, 2014, , 23-32.	1.1	0
57	IODP Technical Report Volume 1: Smear slides tutorials. , 2013, , .		0
58	The Diagenetic Role of Brittle Deformation in Compaction and Pressure Solution, Etjo Sandstone, Namibia: A Reply. Journal of Geology, 1996, 104, 508-508.	0.7	0
59	ORGANIC-HOSTED PORE SYSTEM IN THE CRETACEOUS MOWRY FORMATION, WYOMING, USA. , 2016, , .		0
60	Geodes. , 1978, , 496-500.		0