

# Juergen Schieber

## List of Publications by Year in descending order

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65  
papers

6,443  
citations

94269

37  
h-index

123241

61  
g-index

66  
all docs

66  
docs citations

66  
times ranked

4974  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence stratigraphic reconstruction of the late Middle Devonian Genesee Formation of NY, USA: Developing a genetic model for "Upper Devonian" unconventional targets in the Northern Appalachian Basin. <i>Marine and Petroleum Geology</i> , 2022, 138, 105547.	1.5	2
2	Correlative conformity or subtle unconformity? The distal expression of a sequence boundary in the Upper Cretaceous Mancos Shale, Henry Mountains Region, Utah, U.S.A.. <i>Journal of Sedimentary Research</i> , 2022, 92, 635-657.	0.8	2
3	Mars is a mirror " Understanding the Pahrump Hills mudstones from a perspective of Earth analogues. <i>Sedimentology</i> , 2022, 69, 2371-2435.	1.6	7
4	On the origin and significance of composite particles in mudstones: Examples from the Cenomanian Dunvegan Formation. <i>Sedimentology</i> , 2021, 68, 737-754.	1.6	10
5	Cryptic burrow traces in black shales " a petrographic Rorschach test or the real thing?. <i>Sedimentology</i> , 2021, 68, 2707-2731.	1.6	7
6	Detecting detrital carbonate in shale successions - Relevance for evaluation of depositional setting and sequence stratigraphic interpretation. <i>Marine and Petroleum Geology</i> , 2021, 130, 105130.	1.5	7
7	Fate of terrigenous organic carbon in muddy clinothems on continental shelves revealed by stratal geometries: Insight from the Adriatic sedimentary archive. <i>Global and Planetary Change</i> , 2021, 203, 103539.	1.6	25
8	Burrows without a trace" How meioturbation affects rock fabrics and leaves a record of meiobenthos activity in shales and mudstones. <i>Palaontologische Zeitschrift</i> , 2021, 95, 767-791.	0.8	11
9	The discovery of widespread agrichnia traces in Devonian black shales of North America: another chapter in the evolving understanding of a "not so anoxic" ancient sea. <i>Palaontologische Zeitschrift</i> , 2021, 95, 661.	0.8	6
10	Application of sequence stratigraphic concepts to the Upper Cretaceous Tununk Shale Member of the Mancos Shale Formation, south-central Utah: Parasequence styles in shelfal mudstone strata. <i>Sedimentology</i> , 2020, 67, 118-151.	1.6	16
11	Decoding the origins and sources of clay minerals in the Upper Cretaceous Tununk Shale of south-central Utah: Implications for the pursuit of climate and burial histories. <i>Depositional Record</i> , 2020, 6, 172-191.	0.8	10
12	The "Lower Kaimur Porcellanite" (Vindhyan Supergroup) is of Sedimentary Origin and not Tuff. <i>Journal of the Geological Society of India</i> , 2020, 95, 17-24.	0.5	0
13	Association of uranium with macerals in marine black shales: Insights from the Upper Devonian New Albany Shale, Illinois Basin. <i>International Journal of Coal Geology</i> , 2020, 217, 103351.	1.9	20
14	Engraved on the rocks" Aeolian abrasion of Martian mudstone exposures and their relationship to modern wind patterns in Gale Crater, Mars. <i>Depositional Record</i> , 2020, 6, 625-647.	0.8	9
15	Shallow-water onlap model for the deposition of Devonian black shales in New York, USA. <i>Geology</i> , 2019, 47, 279-283.	2.0	35
16	Distribution of primary and secondary features in the Pahrump Hills outcrop (Gale crater, Mars) as seen in a Mars Descent Imager (MARDI) "sidewalk" mosaic. <i>Icarus</i> , 2019, 328, 194-209.	1.1	19
17	Lithologically Controlled Subsurface Critical Zone Thickness and Water Storage Capacity Determine Regional Plant Community Composition. <i>Water Resources Research</i> , 2019, 55, 3028-3055.	1.7	97
18	When a mudstone was actually a "sand" Results of a sedimentological investigation of the bituminous marl formation (Oligocene), Eastern Carpathians of Romania. <i>Sedimentary Geology</i> , 2019, 384, 12-28.	1.0	13

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19	Organic matter content and type variation in the sequence stratigraphic context of the Upper Devonian New Albany Shale, Illinois Basin. <i>Sedimentary Geology</i> , 2019, 383, 101-120.	1.0	61
20	Detailed facies analysis of the Upper Cretaceous Tununk Shale Member, Henry Mountains Region, Utah: Implications for mudstone depositional models in epicontinental seas. <i>Sedimentary Geology</i> , 2018, 364, 141-159.	1.0	46
21	Shaler: <i>in situ</i> analysis of a fluvial sedimentary deposit on Mars. <i>Sedimentology</i> , 2018, 65, 96-122.	1.6	59
22	Composite Particles in Mudstones: Examples from the Late Cretaceous Tununk Shale Member of the Mancos Shale Formation. <i>Journal of Sedimentary Research</i> , 2018, 88, 1319-1344.	0.8	15
23	U-Pb Age and Hf Isotopic Compositions of Magmatic Zircons from a Rhyolite Flow in the Porcellanite Formation in the Vindhyan Supergroup, Son Valley (India): Implications for Its Tectonic Significance. <i>Journal of Geology</i> , 2017, 125, 367-379.	0.7	43
24	On the origin of silt laminae in laminated shales. <i>Sedimentary Geology</i> , 2017, 360, 22-34.	1.0	102
25	The Mars Science Laboratory (MSL) Mast cameras and Descent imager: Investigation and instrument descriptions. <i>Earth and Space Science</i> , 2017, 4, 506-539.	1.1	117
26	Regional depositional changes and their controls on carbon and sulfur cycling across the Ordovician-Silurian boundary, northwestern Guizhou, South China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 816-832.	1.0	29
27	Combined SEM and reflected light petrography of organic matter in the New Albany Shale (Devonian-Mississippian) in the Illinois Basin: A perspective on organic pore development with thermal maturation. <i>International Journal of Coal Geology</i> , 2017, 184, 57-72.	1.9	122
28	Encounters with an unearthly mudstone: Understanding the first mudstone found on Mars. <i>Sedimentology</i> , 2017, 64, 311-358.	1.6	48
29	Varves in marine sediments: A review. <i>Earth-Science Reviews</i> , 2016, 159, 215-246.	4.0	69
30	Transient atmospheric effects of the landing of the Mars Science Laboratory rover: The emission and dissipation of dust and carbazic acid. <i>Advances in Space Research</i> , 2016, 58, 1066-1092.	1.2	12
31	Mud re-distribution in epicontinental basins – Exploring likely processes. <i>Marine and Petroleum Geology</i> , 2016, 71, 119-133.	1.5	97
32	Experimental testing of the transport-durability of shale lithics and its implications for interpreting the rock record. <i>Sedimentary Geology</i> , 2016, 331, 162-169.	1.0	36
33	Evaluating along-strike variation using thin-bedded facies analysis, Upper Cretaceous Ferron Notom Delta, Utah. <i>Sedimentology</i> , 2015, 62, 2060-2089.	1.6	47
34	Evidence for indigenous nitrogen in sedimentary and aeolian deposits from the Curiosity rover investigations at Gale crater, Mars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4245-4250.	3.3	172
35	On the origin of a phosphate enriched interval in the Chattanooga Shale (Upper Devonian) of Tennessee – A combined sedimentologic, petrographic, and geochemical study. <i>Sedimentary Geology</i> , 2015, 329, 40-61.	1.0	25
36	Discussion: “Mud dispersal across a Cretaceous prodelta: Storm-generated, wave-enhanced sediment gravity flows inferred from mudstone microtexture and microfacies” by Plint (), <i>Sedimentology</i> 61, 609–647. <i>Sedimentology</i> , 2015, 62, 389-393.	1.6	4

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37	Sedimentary Facies and Depositional Environment of the Middle Devonian Genesee Formation of New York, U.S.A. <i>Journal of Sedimentary Research</i> , 2015, 85, 1393-1415.	0.8	54
38	ChemCam results from the Shaler outcrop in Gale crater, Mars. <i>Icarus</i> , 2015, 249, 2-21.	1.1	52
39	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1245267.	6.0	323
40	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1243480.	6.0	508
41	Mars's Surface Radiation Environment Measured with the Mars Science Laboratory's Curiosity Rover. <i>Science</i> , 2014, 343, 1244797.	6.0	475
42	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1244734.	6.0	246
43	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. <i>Science</i> , 2013, 341, 1238932.	6.0	327
44	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. <i>Science</i> , 2013, 341, 1239505.	6.0	280
45	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. <i>Science</i> , 2013, 341, 263-266.	6.0	327
46	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. <i>Science</i> , 2013, 341, 1238937.	6.0	367
47	Martian Fluvial Conglomerates at Gale Crater. <i>Science</i> , 2013, 340, 1068-1072.	6.0	326
48	The Petrochemistry of Jake_M: A Martian Mugearite. <i>Science</i> , 2013, 341, 1239463.	6.0	134
49	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. <i>Science</i> , 2013, 341, 1238670.	6.0	215
50	Low Upper Limit to Methane Abundance on Mars. <i>Science</i> , 2013, 342, 355-357.	6.0	103
51	SEM Observations on Ion-milled Samples of Devonian Black Shales from Indiana and New York <sub>title</sub>The Petrographic Context of Multiple Pore Types</sub>, 2013, , .		23
52	Curiosity's Mars Hand Lens Imager (MAHLI) Investigation. <i>Space Science Reviews</i> , 2012, 170, 259-317.	3.7	185
53	Implications of a Newly Dated ca. 1000-Ma Rhyolitic Tuff in the Indravati Basin, Bastar Craton, India. <i>Journal of Geology</i> , 2012, 120, 477-485.	0.7	35
54	The Microbial Ferrous Wheel in a Neutral pH Groundwater Seep. <i>Frontiers in Microbiology</i> , 2012, 3, 172.	1.5	90

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55	Depositional History of the Chhattisgarh Basin, Central India: Constraints from New SHRIMP Zircon Ages. <i>Journal of Geology</i> , 2011, 119, 33-50.	0.7	83
56	New U-Pb SHRIMP Zircon Ages of the Dhamda Tuff in the Mesoproterozoic Chhattisgarh Basin, Peninsular India: Stratigraphic Implications and Significance of a 1-Ga Thermal-Magmatic Event. <i>Journal of Geology</i> , 2011, 119, 535-548.	0.7	59
57	Reverse engineering mother nature – Shale sedimentology from an experimental perspective. <i>Sedimentary Geology</i> , 2011, 238, 1-22.	1.0	105
58	Bedload transport of mud by floccule ripples – Direct observation of ripple migration processes and their implications. <i>Geology</i> , 2009, 37, 483-486.	2.0	158
59	Discovery of agglutinated benthic foraminifera in Devonian black shales and their relevance for the redox state of ancient seas. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 271, 292-300.	1.0	63
60	Stratigraphic position of the ~1000Ma Sukhda Tuff (Chhattisgarh Supergroup, India) and the 500Ma question. <i>Precambrian Research</i> , 2008, 167, 383-388.	1.2	40
61	Molecular evidence of Late Archean archaea and the presence of a subsurface hydrothermal biosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14260-14265.	3.3	70
62	Accretion of Mudstone Beds from Migrating Floccule Ripples. <i>Science</i> , 2007, 318, 1760-1763.	6.0	308
63	Oxidation of detrital pyrite as a cause for Marcasite Formation in marine lag deposits from the Devonian of the eastern US. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1312-1326.	0.6	37
64	An SEM Study of Porosity in the Eagle Ford Shale of Texas – Pore Types and Porosity Distribution in a Depositional and Sequence-stratigraphic Context. , 0, , 167-186.		24
65	Reply to the Discussion by Al-Mufti on “On the origin and significance of composite particles in mudstones: Examples from the Cenomanian Dunvegan Formation” by Li <i>et al</i> . (2021), <i>Sedimentology</i> , 68, 737-754. <i>Sedimentology</i> , 0, , .	1.6	0