Paul E Olsen

List of Publications by Year
in descending order

90 papers	6,007 citations	71097 41 h-index	71682 76 g-index
99 all docs	99 docs citations	99 times ranked	3105 citing authors

#	Article	IF	Citations
1	A geochronologically-constrained stable isotope record of the Upper Triassic Sonsela Member (Chinle Formation) at Petrified Forest National Park (Arizona, USA): Testing for paleoenvironmental linkages with biotic change and the Manicouagan impact. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 601, 111060.	2.3	0
2	Arctic ice and the ecological rise of the dinosaurs. Science Advances, 2022, 8, .	10.3	19
3	U-Pb zircon geochronology and depositional age models for the Upper Triassic Chinle Formation (Petrified Forest National Park, Arizona, USA): Implications for Late Triassic paleoecological and paleoenvironmental change. Bulletin of the Geological Society of America, 2021, 133, 539-558.	3.3	38
4	Hematite reconstruction of Late Triassic hydroclimate over the Colorado Plateau. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
5	A Late Permian paleopole from the Ikakern Formation (Argana basin, Morocco) and the configuration of Pangea. Gondwana Research, 2021, 92, 266-278.	6.0	3
6	Magnetostratigraphy of the Triassic Moenkopi Formation From the Continuous Cores Recovered in Colorado Plateau Coring Project Phase 1 (CPCPâ€‐1), Petrified Forest National Park, Arizona, USA: Correlation of the Early to Middle Triassic Strata and Biota in Colorado Plateau and Its Environs. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021899.	3.4	6
7	Diverse assemblage of Middle Triassic continental tetrapods from the Newark Supergroup of Nova Scotia (Canada). Journal of Vertebrate Paleontology, 2021, 41, .	1.0	3
8	Molecular and isotopic evidence reveals the end-Triassic carbon isotope excursion is not from massive exogenous light carbon. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30171-30178.	7.1	36
9	LA-ICPMS Uâ€“Pb geochronology of detrital zircon grains from the Coconino, Moenkopi, and Chinle formations in the Petrified Forest National Park (Arizona). Geochronology, 2020, 2, 257-282.	2.5	24
10	Magnetochronology of the Entire Chinle Formation (Norian Age) in a Scientific Drill Core From Petrified Forest National Park (Arizona, USA) and Implications for Regional and Global Correlations in the Late Triassic. Geochemistry, Geophysics, Geosystems, 2019, 20, 4654-4664.	2.5	22
11	Effects of pH on redox proxies in a Jurassic rift lake: Implications for interpreting environmental records in deep time. Geochimica Et Cosmochimica Acta, 2019, 252, 240-267.	3.9	29
12	Mapping Solar System chaos with the Geological Orrery. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10664-10673.	7.1	58
13	LA-ICPMS U-PB GEOCHRONOLOGY OF DETRITAL ZIRCON GRAINS FROM THE CHINLE FORMATION (COLORADO) Tj ETQq1 1 0.784314		1
14	NEW CORES RESOLVE AN OLD GEOCHONOLOGIOCAL CONUNDRUM FOR THE CENTRAL ATLANTIC MAGMATIC PROVINCE (CAMP) EXTRUSIVE ZONE IN THE NEWARK, HARTFORD, AND DEERFIELD BASINS. , 2019, , .		1
15	Norian vegetation history and related environmental changes: New data from the Chinle Formation, Petrified Forest National Park (Arizona, SW USA). Bulletin of the Geological Society of America, 2018, 130, 775-795.	3.3	24
16	Empirical evidence for stability of the 405-kiloyear Jupiterâ€“Venus eccentricity cycle over hundreds of millions of years. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6153-6158.	7.1	74
17	Astrochronostratigraphic polarity time scale (APTS) for the Late Triassic and Early Jurassic from continental sediments and correlation with standard marine stages. Earth-Science Reviews, 2017, 166, 153-180.	9.1	131
18	The postcranial skeleton of<i>Boreogomphodon</i>(Cynodontia: Traversodontidae) from the Upper Triassic of North Carolina, USA and the comparison with other traversodontids. PeerJ, 2017, 5, e3521.	2.0	12

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19	Stratigraphy, correlation, depositional environments, and cyclicity of the Early Cretaceous Yixian and ?Jurassic-Cretaceous Tuchengzi formations in the Sihetun area (NE China) based on three continuous cores. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 464, 110-133.	2.3	20
20	New insights into lithology and hydrogeology of the northern Newark Rift Basin. Geochemistry, Geophysics, Geosystems, 2016, 17, 2070-2094.	2.5	5
21	WILD AND WONDERFUL IMPLICATIONS OF THE 5 MM POMPTON ASH OF THE HARTFORD AND NEWARK BASINS (EARLY JURASSIC, EASTERN NORTH AMERICA). , 2016, , .		1
22	A GRADUAL INCREASE INPCO2ACROSS THE ABRUPT END-TRIASSIC EXTINCTION. , 2016, , .		1
23	INCIPIENT PANGEAN RIFTING RESPONSIBLE FOR THE INITIATION OF CHINLE-DOCKUM SEDIMENTATION: INSIGHTS FROM THE NEWARK SUPERGROUP AND SHARED LATE TRIASSIC PLATE-SCALE TECTONIC EVENTS AND GEOCHRONOLOGIES. , 2016, , .		1
24	Triassicâ€"Jurassic climate in continental high-latitude Asia was dominated by obliquity-paced variations (Junggar Basin, ÃœrÃ¼mqi, China). Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3624-3629.	7.1	90
25	First record of the tritylodontid cynodont <i>Oligokyphus</i> and cynodont postcranial bones from the McCoy Brook Formation of Nova Scotia, Canada. Canadian Journal of Earth Sciences, 2015, 52, 244-249.	1.3	17
26	Zircon U-Pb Geochronology Links the End-Triassic Extinction with the Central Atlantic Magmatic Province. Science, 2013, 340, 941-945.	12.6	430
27	Diverse new microvertebrate assemblage from the Upper Triassic Cumnock Formation, Sanford Subbasin, North Carolina, USA. Journal of Paleontology, 2012, 86, 368-390.	0.8	24
28	Rapid emplacement of the Central Atlantic Magmatic Province as a net sink for CO2. Earth and Planetary Science Letters, 2012, 323-324, 27-39.	4.4	112
29	Development of the passive margin of Eastern North America. , 2012, , 300-335.		26
30	Pangean great lake paleoecology on the cusp of the end-Triassic extinction. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 301, 1-17.	2.3	42
31	Climatically driven biogeographic provinces of Late Triassic tropical Pangea. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8972-8977.	7.1	90
32	The Phylogenetic Relationships of Eucynodontia (Amniota: Synapsida). Journal of Mammalian Evolution, 2010, 17, 151-176.	1.8	107
33	Implications of the Newark Supergroup-based astrochronology and geomagnetic polarity time scale (Newark-APTS) for the tempo and mode of the early diversification of the Dinosauria. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2010, 101, 201-229.	0.3	82
34	Potential on-shore and off-shore reservoirs for CO ₂ sequestration in Central Atlantic magmatic province basalts. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1327-1332.	7.1	67
35	Site Selected for Colorado Plateau Coring: Colorado Plateau Coring Project Workshop, Phase 2: 100 Million Years of Climatic, Tectonic, and Biotic Evolution From Continental Coring; Albuquerque, New Mexico, 8-11 May 2009. Eos, 2010, 91, 128-128.	0.1	1
36	Rhaetian magneto-biostratigraphy from the Southern Alps (Italy): Constraints on Triassic chronology. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 285, 1-16.	2.3	83

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37	Compound-specific carbon isotopes from Earthâ€™s largest flood basalt eruptions directly linked to the end-Triassic mass extinction. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6721-6725.	7.1	220
38	Early Jurassic magnetostratigraphy and paleolatitudes from the Hartford continental rift basin (eastern North America): Testing for polarity bias and abrupt polar wander in association with the central Atlantic magmatic province. Journal of Geophysical Research, 2008, 113, .	3.3	66
39	Climatic, Tectonic, and Biotic Evolution in Continental Cores: Colorado Plateau Coring Project Workshop; St. George, Utah, 13-16 November 2007. Eos, 2008, 89, 118-118.	0.1	2
40	Synchrony between the Central Atlantic magmatic province and the Triassicâ€"Jurassic mass-extinction event? Reply to Marzoli et al.. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 262, 194-198.	2.3	12
41	Spectral analysis of the lower Eocene Wilkins Peak Member, Green River Formation, Wyoming: Support for Milankovitch cyclicity. Earth and Planetary Science Letters, 2008, 268, 64-75.	4.4	41
42	A new suchian archosaur from the Upper Triassic of North Carolina. Journal of Vertebrate Paleontology, 2008, 28, 363-381.	1.0	74
43	Synchrony between the Central Atlantic magmatic province and the Triassicâ€"Jurassic mass-extinction event?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 244, 345-367.	2.3	145
44	Tethyan magnetostratigraphy from Pizzo Mondello (Sicily) and correlation to the Late Triassic Newark astrochronological polarity time scale. Bulletin of the Geological Society of America, 2004, 116, 1043.	3.3	164
45	Eocene calibration of geomagnetic polarity time scale reevaluated: Evidence from the Green River Formation of Wyoming. Geology, 2004, 32, 137.	4.4	25
46	Cyclo-, magneto-, and bio-stratigraphic constraints on the duration of the CAMP event and its relationship to the Triassic-Jurassic boundary. Geophysical Monograph Series, 2003, , 7-32.	0.1	48
47	A new crocodylomorph archosaur from the Upper Triassic of North Carolina. Journal of Vertebrate Paleontology, 2003, 23, 329-343.	1.0	79
48	Relative timing of CAMP, rifting, continental breakup, and basin inversion: Tectonic significance. Geophysical Monograph Series, 2003, , 33-59.	0.1	33
49	Continental Triassic-Jurassic boundary in central Pangea: Recent progress and discussion of an Ir anomaly. , 2002, , .		24
50	Ascent of Dinosaurs Linked to an Iridium Anomaly at the Triassic-Jurassic Boundary. Science, 2002, 296, 1305-1307.	12.6	318
51	First record ofErpetosuchus(Reptilia: Archosauria) from the Late Triassic of North America. Journal of Vertebrate Paleontology, 2001, 20, 633-636.	1.0	21
52	A New and Unusual Aquatic Reptile from the Lockatong Formation of New Jersey (Late Triassic, Newark) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	19
53	Magnetic polarity stratigraphy and paleolatitude of the Triassicâ€"Jurassic Blomidon Formation in the Fundy basin (Canada): implications for early Mesozoic tropical climate gradients. Earth and Planetary Science Letters, 2000, 179, 311-324.	4.4	84
54	Cranial osteology ofHypsognathus fenneri, a latest Triassic procolophonid reptile from the Newark Supergroup of eastern North America. Journal of Vertebrate Paleontology, 2000, 20, 275-284.	1.0	44

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55	A Late Triassic traversodont cynodont from the Newark Supergroup of North Carolina. Journal of Vertebrate Paleontology, 1999, 19, 351-354.	1.0	25
56	GEOSCIENCE:Enhanced: Giant Lava Flows, Mass Extinctions, and Mantle Plumes. Science, 1999, 284, 604-605.	12.6	94
57	Astronomically tuned geomagnetic polarity timescale for the Late Triassic. Journal of Geophysical Research, 1999, 104, 12831-12841.	3.3	144
58	Long-period Milankovitch cycles from the Late Triassic and Early Jurassic of eastern North America and their implications for the calibration of the Early Mesozoic timeâ€“scale and the longâ€“term behaviour of the planets. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 1761-1786.	3.4	187
59	Type material of the type species of the classic theropod footprint genera<i>Eubrontes, Anchisauripus</i>, and<i>Grallator</i>(Early Jurassic, Hartford and Deerfield basins, Connecticut and) Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	233
60	Synthesis and revision of groups within the Newark Supergroup, eastern North America. Bulletin of the Geological Society of America, 1997, 109, 195-209.	3.3	39
61	STRATIGRAPHIC RECORD OF THE EARLY MESOZOIC BREAKUP OF PANGEA IN THE LAURASIA-GONDWANA RIFT SYSTEM. Annual Review of Earth and Planetary Sciences, 1997, 25, 337-401.	11.0	263
62	Paleomagnetism of Upper Triassic continental sedimentary rocks from the Dan Riverâ€“Danville rift basin (eastern North America). Bulletin of the Geological Society of America, 1997, 109, 366-377.	3.3	39
63	On the cranial structure of a new protosuchid (Archosauria: Crocodyliformes) from the McCoy Brook Formation (Lower Jurassic) of Nova Scotia, Canada. Journal of Vertebrate Paleontology, 1996, 16, 34-41.	1.0	24
64	Milankovitch climate forcing in the tropics of Pangaea during the Late Triassic. Palaeogeography, Palaeoclimatology, Palaeoecology, 1996, 122, 1-26.	2.3	235
65	A Triassic LagerstÃtte from eastern North America. Nature, 1996, 380, 615-619.	27.8	97
66	High-resolution stratigraphy of the Newark rift basin (early Mesozoic, eastern North America). Bulletin of the Geological Society of America, 1996, 108, 40-77.	3.3	167
67	Tectonic evolution of the Fundy rift basin, Canada: Evidence of extension and shortening during passive margin development. Tectonics, 1995, 14, 390-405.	2.8	84
68	Synsedimentary collapse of portions of the lower Blomidon Formation (Late Triassic), Fundy rift basin, Nova Scotia. Canadian Journal of Earth Sciences, 1995, 32, 1965-1976.	1.3	17
69	A new sphenodontian (Lepidosauria: Rhynchocephalia) from the McCoy Brook Formation (Lower) Tj ETQq1 1 0.784314 rgBT /Overloc	1.0	45
70	CLIMATIC CYCLES AS SEDIMENTARY CONTROLS OF RIFT-BASIN LACUSTRINE DEPOSITS IN THE EARLY MESOZOIC NEWARK BASIN BASED ON CONTINUOUS CORE. , 1994, , 201-237.		12
71	A new procolophonid and a new tetrapod of uncertain, possibly procolophonian affinities from the Upper Triassic of Virginia. Journal of Vertebrate Paleontology, 1993, 13, 282-286.	1.0	21
72	New Fossil Evidence on the Sister-Group of Mammals and Early Mesozoic Faunal Distributions. Science, 1991, 251, 1063-1065.	12.6	36

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73	Morphology of the<i>Semionotus elegans</i>species group from the Early Jurassic part of the Newark Supergroup of eastern North America with comments on the Family Semionotidae (Neopterygii). Journal of Vertebrate Paleontology, 1991, 11, 269-292.	1.0	105
74	Magnetostratigraphy and paleomagnetic poles from Late Triassic-earliest Jurassic strata of the Newark basin. Bulletin of the Geological Society of America, 1991, 103, 1648-1662.	3.3	60
75	Transtensional arm of the early Mesozoic Fundy rift basin: Penecontemporaneous faulting and sedimentation. Geology, 1990, 18, 695.	4.4	58
76	Continental coring of the Newark Rift. Eos, 1990, 71, 385-394.	0.1	17
77	Triassic Vertebrates of Gondwanan Aspect from the Richmond Basin of Virginia. Science, 1990, 249, 1020-1023.	12.6	58
78	Quantitative Filling Model for Continental Extensional Basins with Applications to Early Mesozoic Rifts of Eastern North America. Journal of Geology, 1990, 98, 135-155.	1.4	127
79	Culpeper Basin, Virginia. , 1989, , 59-68.		2
80	Newark Basin, New Jersey. , 1989, , 91-106.		0
81	Paleontology and paleoecology of the Newark Supergroup (early Mesozoic, eastern North America). Developments in Geotectonics, 1988, 22, 185-230.	0.3	37
82	Massive mudstones in basin analysis and paleoclimatic interpretation of the Newark Supergroup. Developments in Geotectonics, 1988, 22, 249-274.	0.3	35
83	Response: Triassic-Jurassic Extinctions. Science, 1988, 241, 1359-1360.	12.6	4
84	A 40-Million-Year Lake Record of Early Mesozoic Orbital Climatic Forcing. Science, 1986, 234, 842-848.	12.6	348
85	Footprints of the Komodo Monitor and the Trackways of Fossil Reptiles. Copeia, 1984, 1984, 662.	1.3	49
86	The skull and pectoral girdle of the parasemionotid fish<i>Watsonulus eugnathoides</i>from the Early Triassic Sakamena Group of Madagascar, with comments on the relationships of the holostean fishes. Journal of Vertebrate Paleontology, 1984, 4, 481-499.	1.0	90
87	Comment and Reply on â€˜Eolian dune field of Late Triassic age, Fundy Basin, Nova Scotiaâ€™. Geology, 1981, 9, 557.	4.4	6
88	Cyclic Change in Late Triassic Lacustrine Communities. Science, 1978, 201, 729-733.	12.6	64
89	Triassic-Jurassic Tetrapod Extinctions: Are They Real?. Science, 1977, 197, 983-986.	12.6	69
90	Colorado Plateau Coring Project, Phase I (CPCP-I): a continuously cored, globally exportable chronology of Triassic continental environmental change from western North America. Scientific Drilling, 0, 24, 15-40.	0.6	15