

Michael R Rosen

List of Publications by Year in descending order

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95
papers

2,622
citations

182225

30
h-index

252626

46
g-index

119
all docs

119
docs citations

119
times ranked

2900
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential role for microbial ureolysis in the rapid formation of carbonate tufa mounds. <i>Geobiology</i> , 2022, 20, 79-97.	1.1	5
2	Trends in nitrogen, phosphorus, and sediment concentrations and loads in streams draining to Lake Tahoe, California, Nevada, USA. <i>Science of the Total Environment</i> , 2021, 752, 141815.	3.9	15
3	Movement of synthetic organic compounds in the food web after the introduction of invasive quagga mussels (<i>Dreissena bugensis</i>) in Lake Mead, Nevada and Arizona, USA. <i>Science of the Total Environment</i> , 2021, 752, 141845.	3.9	5
4	A 450-year record of environmental change from Castle Lake, California (USA), inferred from diatoms and organic geochemistry. <i>Journal of Paleolimnology</i> , 2021, 65, 201-217.	0.8	3
5	Middle Holocene Hydrologic Changes Catalyzed by River Avulsion in Big Soda Lake, Nevada, USA. <i>Syntheses in Limnogeology</i> , 2021, , 295-328.	0.4	2
6	Introduction to Limnogeology: Progress, Challenges, and Opportunities: A Tribute to Elizabeth Gierlowski-Kordesch. <i>Syntheses in Limnogeology</i> , 2021, , 3-16.	0.4	0
7	Status and trends of orthophosphate concentrations in groundwater used for public supply in California. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 550.	1.3	17
8	Towards the Understanding of Hydrogeochemical Seismic Responses in Karst Aquifers: A Retrospective Meta-Analysis Focused on the Apennines (Italy). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1058.	0.8	13
9	Li and Ca Enrichment in the Bristol Dry Lake Brine Compared to Brines from Cadiz and Danby Dry Lakes, Barstow-Bristol Trough, California, USA. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 284.	0.8	4
10	Microplastics in Lake Mead National Recreation Area, USA: Occurrence and biological uptake. <i>PLoS ONE</i> , 2020, 15, e0228896.	1.1	80
11	Anthropogenic and geologic causes of anomalously high uranium concentrations in groundwater used for drinking water supply in the southeastern San Joaquin Valley, CA. <i>Journal of Hydrology</i> , 2019, 577, 124009.	2.3	16
12	The importance of groundwater flow to the formation of modern thrombolitic microbialites. <i>Geobiology</i> , 2019, 17, 536-550.	1.1	18
13	Lakes as paleoseismic records in a seismically-active, low-relief area (Rieti Basin, central Italy). <i>Quaternary Science Reviews</i> , 2019, 211, 186-207.	1.4	12
14	Sperm quality biomarkers complement reproductive and endocrine parameters in investigating environmental contaminants in common carp (<i>Cyprinus carpio</i>) from the Lake Mead National Recreation Area. <i>Environmental Research</i> , 2018, 163, 149-164.	3.7	11
15	Cyclic heliothermal behaviour of the shallow, hypersaline Lake Hayward, Western Australia. <i>Journal of Hydrology</i> , 2018, 560, 495-511.	2.3	4
16	The origin of shallow lakes in the Khorezm Province, Uzbekistan, and the history of pesticide use around these lakes. <i>Journal of Paleolimnology</i> , 2018, 59, 201-219.	0.8	5
17	Association between degradation of pharmaceuticals and endocrine-disrupting compounds and microbial communities along a treated wastewater effluent gradient in Lake Mead. <i>Science of the Total Environment</i> , 2018, 622-623, 1640-1648.	3.9	34
18	International Limnogeology Congress (ILIC6), Reno USA, special issue on new limnogeological research focused on pre-Holocene lake systems. <i>Journal of Paleolimnology</i> , 2018, 59, 1-4.	0.8	0

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19	Mechanisms of Earthquake-Induced Chemical and Fluid Transport to Carbonate Groundwater Springs After Earthquakes. <i>Water Resources Research</i> , 2018, 54, 5225-5244.	1.7	43
20	International Limnogeology Congress (ILIC6), Reno USA, special issue on new limnogeological research focused on Holocene lake systems. <i>Journal of Paleolimnology</i> , 2018, 59, 135-138.	0.8	0
21	Metabolic Capability and Phylogenetic Diversity of Mono Lake during a Bloom of the Eukaryotic Phototroph <i>Picocystis</i> sp. Strain ML. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	18
22	Nutrient processes at the stream-lake interface for a channelized versus unmodified stream mouth. <i>Water Resources Research</i> , 2017, 53, 237-256.	1.7	8
23	Reversible Reduction of Estrone to 17 β -Estradiol by <i>Rhizobium</i> , <i>Sphingopyxis</i> , and <i>Pseudomonas</i> Isolates from the Las Vegas Wash. <i>Journal of Environmental Quality</i> , 2017, 46, 281-287.	1.0	11
24	The genetic basis of anoxygenic photosynthetic arsenite oxidation. <i>Environmental Microbiology</i> , 2017, 19, 130-141.	1.8	37
25	Hydrochemical determination of source water contributions to Lake Lungo and Lake Ripasottile (central Italy). <i>Journal of Limnology</i> , 2016, , .	0.3	3
26	Genome Sequence of the Photoarsenotrophic Bacterium <i>Ectothiorhodospira</i> sp. Strain BSL-9, Isolated from a Hypersaline Alkaline Arsenic-Rich Extreme Environment. <i>Genome Announcements</i> , 2016, 4, .	0.8	9
27	Hydroecological condition and potential for aquaculture in lakes of the arid region of Khorezm, Uzbekistan. <i>Journal of Arid Environments</i> , 2015, 117, 37-46.	1.2	9
28	Limnogeology, news in brief. <i>Environmental Earth Sciences</i> , 2015, 73, 913-917.	1.3	4
29	Are endocrine and reproductive biomarkers altered in contaminant-exposed wild male Largemouth Bass (<i>Micropterus salmoides</i>) of Lake Mead, Nevada/Arizona, USA?. <i>General and Comparative Endocrinology</i> , 2015, 219, 125-135.	0.8	17
30	Novel associations between contaminant body burdens and biomarkers of reproductive condition in male Common Carp along multiple gradients of contaminant exposure in Lake Mead National Recreation Area, USA. <i>General and Comparative Endocrinology</i> , 2015, 219, 112-124.	0.8	18
31	The Influence of Hydrology on Lacustrine Sediment Contaminant Records. <i>Developments in Paleoenvironmental Research</i> , 2015, , 5-33.	7.5	6
32	Bottom sediment as a source of organic contaminants in Lake Mead, Nevada, USA. <i>Chemosphere</i> , 2012, 88, 605-611.	4.2	40
33	Patterns of metal composition and biological condition and their association in male common carp across an environmental contaminant gradient in Lake Mead National Recreation Area, Nevada and Arizona, USA. <i>Science of the Total Environment</i> , 2012, 416, 215-224.	3.9	18
34	The influence of irrigation water on the hydrology and lake water budgets of two small arid-climate lakes in Khorezm, Uzbekistan. <i>Journal of Hydrology</i> , 2011, 410, 114-125.	2.3	25
35	Identification of nitrogen sources to four small lakes in the agricultural region of Khorezm, Uzbekistan. <i>Biogeochemistry</i> , 2010, 101, 357-368.	1.7	14
36	Improving estimates of oil pollution to the sea from land-based sources. <i>Marine Pollution Bulletin</i> , 2010, 60, 990-997.	2.3	7

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37	Sources and Distribution of Organic Compounds Using Passive Samplers in Lake Mead National Recreation Area, Nevada and Arizona, and Their Implications for Potential Effects on Aquatic Biota. <i>Journal of Environmental Quality</i> , 2010, 39, 1161-1172.	1.0	28
38	Importance of benthic production to fish populations in Lake Mead prior to the establishment of quagga mussels. <i>Lake and Reservoir Management</i> , 2010, 26, 293-305.	0.4	10
39	Early invasion population structure of quagga mussel and associated benthic invertebrate community composition on soft sediment in a large reservoir. <i>Lake and Reservoir Management</i> , 2010, 26, 316-327.	0.4	16
40	Assessment of multiple sources of anthropogenic and natural chemical inputs to a morphologically complex basin, Lake Mead, USA. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 294, 30-43.	1.0	29
41	Investigating Aquatic Ecosystems of Small Lakes in Khorezm, Uzbekistan. , 2009, , .		0
42	Identification of methyl triclosan and halogenated analogues in male common carp (<i>Cyprinus carpio</i>) from Las Vegas Bay and semipermeable membrane devices from Las Vegas Wash, Nevada. <i>Science of the Total Environment</i> , 2009, 407, 2102-2114.	3.9	59
43	How useful are the "other" semipermeable membrane devices (SPMDs); the mini-unit (15.2Åcm long)?. <i>Science of the Total Environment</i> , 2009, 407, 4149-4156.	3.9	14
44	Combining particle-tracking and geochemical data to assess public supply well vulnerability to arsenic and uranium. <i>Journal of Hydrology</i> , 2009, 376, 132-142.	2.3	11
45	Bacterial Succession within an Ephemeral Hypereutrophic Mojave Desert Playa Lake. <i>Microbial Ecology</i> , 2009, 57, 307-320.	1.4	35
46	Using Semi-Permeable Membrane Devices and Stable Nitrogen Isotopes to Detect Anthropogenic Influences on the Truckee River, USA. <i>Environmental Engineering Science</i> , 2008, 25, 585-600.	0.8	9
47	Water Quality and Aquatic Ecosystems of Irrigation Runoff Lakes in Khorezm, Uzbekistan. , 2008, , .		0
48	Introduction to the U.S. Geological Survey National Water Quality Assessment (NAWQA) of Groundwater Quality Trends and Comparison to Other National Programs. <i>Journal of Environmental Quality</i> , 2008, 37, S190-8.	1.0	37
49	Evaluation of Intra-annual Variation in U.S. Geological Survey National Water Quality Assessment Ground Water Quality Data. <i>Journal of Environmental Quality</i> , 2008, 37, S199-208.	1.0	9
50	Quantifying foodweb interactions with simultaneous linear equations: stable isotope models of the Truckee River, USA. <i>Journal of the North American Benthological Society</i> , 2007, 26, 642-662.	3.0	5
51	Commentary: Identification of Nitrate and Dissolved-Solids Sources in Ground Water by GIS Analyses. <i>Environmental Practice</i> , 2005, 7, 32-43.	0.3	3
52	Exceptionally fast growth rate of <100-yr-old tufa, Big Soda Lake, Nevada: Implications for using tufa as a paleoclimate proxy. <i>Geology</i> , 2004, 32, 409.	2.0	53
53	Prediction of Groundwater Nitrate Contamination after Closure of an Unlined Sheep Feedlot. <i>Vadose Zone Journal</i> , 2004, 3, 990-1006.	1.3	5
54	Prediction of Groundwater Nitrate Contamination after Closure of an Unlined Sheep Feedlot. <i>Vadose Zone Journal</i> , 2004, 3, 990-1006.	1.3	15

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55	Microbial ecology and geochemistry of soils containing iron pans. <i>Environmental Geology</i> , 2003, 45, 209-220.	1.2	1
56	Analysis of a municipal wastewater treatment plant using a neural network-based pattern analysis. <i>Water Research</i> , 2003, 37, 1608-1618.	5.3	77
57	Taxonomic fidelity of silicified filamentous microbes from hot-spring systems in the Taupo Volcanic Zone, North Island, New Zealand. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2003, 94, 475-483.	1.0	21
58	Silicified Microbes in a Geyser Mound: The Enigma of Low-Temperature Cyanobacteria in a High-Temperature Setting. <i>Palaios</i> , 2003, 18, 87-109.	0.6	57
59	Antarctic permafrost: An analogue for water and diagenetic minerals on Mars. <i>Geology</i> , 2003, 31, 199.	2.0	80
60	Dynamic Fuzzy Modeling of Storm Water Infiltration in Urban Fractured Aquifers. <i>Journal of Hydrologic Engineering - ASCE</i> , 2002, 7, 380-391.	0.8	31
61	Coniform Stromatolites from Geothermal Systems, North Island, New Zealand. <i>Palaios</i> , 2002, 17, 84-103.	0.6	23
62	Identification of an urban fractured-rock aquifer dynamics using an evolutionary self-organizing modelling. <i>Journal of Hydrology</i> , 2002, 259, 89-104.	2.3	21
63	Utilisation of the sedimentological and hydrochemical dynamics of the Stump Bay Wetland along Lake Taupo, New Zealand, for the recognition of paleo-shoreline indicators. <i>Sedimentary Geology</i> , 2002, 148, 357-371.	1.0	8
64	1998/99 national survey of pesticides in groundwater using GCMS and ELISA. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2001, 35, 205-219.	0.8	26
65	Using sediment chemistry to determine the impact of treated wastewater discharge on a natural wetland in New Zealand. <i>Environmental Geology</i> , 2001, 40, 1411-1423.	1.2	14
66	Intelligent characterisation and diagnosis of the groundwater quality in an urban fractured-rock aquifer using an artificial neural network. <i>Urban Water</i> , 2001, 3, 193-204.	0.5	44
67	"Geyser Eggs" from Te Whakarewarewatangaoteopetauaawahiao, North Island, New Zealand. <i>Journal of Sedimentary Research</i> , 2001, 71, 190-204.	0.8	24
68	Biogenicity of gold- and silver-bearing siliceous sinters forming in hot (75Å°C) anaerobic spring-waters of Champagne Pool, Waiotapu, North Island, New Zealand. <i>Journal of the Geological Society</i> , 2001, 158, 895-911.	0.9	63
69	Trigonal Dendritic Calcite Crystals Forming from Hot Spring Waters at Waikite, North Island, New Zealand. <i>Journal of Sedimentary Research</i> , 2000, 70, 586-603.	0.8	57
70	Effects of artificially controlling levels of Lake Taupo, North Island, New Zealand, on the Stump Bay wetland. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2000, 34, 217-230.	0.8	4
71	Sewage effluent discharge and geothermal input in a natural wetland, Tongariro Delta, New Zealand. <i>Ecological Engineering</i> , 1999, 12, 149-170.	1.6	12
72	Estimating Rainfall Recharge and Soil Water Residence Times in Pukekohe, New Zealand, by Combining Geophysical, Chemical, and Isotopic Methods. <i>Ground Water</i> , 1999, 37, 836-844.	0.7	19

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73	The influence of groundwater hydrology and stratigraphy on the hydrochemistry of Stump Bay, South Taupo Wetland, New Zealand. <i>Journal of Hydrology</i> , 1999, 220, 27-47.	2.3	24
74	Role of Fungi in the Formation of Siliceous Coated Grains, Waiotapu Geothermal Area, North Island, New Zealand. <i>Palaios</i> , 1999, 14, 475.	0.6	18
75	Water and sediment chemistry of a wetland treating municipal wastewater. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1999, 33, 649-660.	0.8	2
76	Actively growing siliceous oncoids in the Waiotapu geothermal area, North Island, New Zealand. <i>Journal of the Geological Society</i> , 1999, 156, 89-103.	0.9	53
77	Controls on the chemical composition of groundwater from alluvial aquifers in the Wanaka and Wakatipu basins, Central Otago, New Zealand. <i>Hydrogeology Journal</i> , 1998, 6, 264-281.	0.9	54
78	Hydromagnesite replacement of biomineralized aragonite in a new location of Holocene stromatolites, Lake Walyungup, Western Australia. <i>Sedimentology</i> , 1998, 45, 1005-1018.	1.6	42
79	Primary siliceous rhizoliths from Loop Road hot springs, North Island, New Zealand. <i>Journal of Sedimentary Research</i> , 1998, 68, 115-123.	0.8	27
80	Microbial biofacies in hot-spring sinters; a model based on Ohaaki Pool, North Island, New Zealand. <i>Journal of Sedimentary Research</i> , 1998, 68, 413-434.	0.8	132
81	Primary Siliceous Rhizoliths from Loop Road Hot Springs, North Island, New Zealand. <i>Journal of Sedimentary Research</i> , 1998, Vol. 68 (1998), .	0.8	0
82	Vertical Zonation of Biota in Microstromatolites Associated with Hot Springs, North Island, New Zealand. <i>Palaios</i> , 1997, 12, 220.	0.6	58
83	Primary Silica Oncoids from Orakeikorako Hot Springs, North Island, New Zealand. <i>Palaios</i> , 1996, 11, 446.	0.6	54
84	Hydrochemistry and nutrient cycling in Yalgorup National Park, Western Australia. <i>Journal of Hydrology</i> , 1996, 185, 241-274.	2.3	20
85	High-temperature (>90°C) calcite precipitation at Waikite Hot Springs, North Island, New Zealand. <i>Journal of the Geological Society</i> , 1996, 153, 481-496.	0.9	47
86	Was There a Pliocene-Pleistocene Fluvial-Lacustrine Connection between Death Valley and the Colorado River?. <i>Quaternary Research</i> , 1995, 43, 286-296.	1.0	30
87	The effects of water temperature, stratification, and biological activity on the stable isotopic composition and timing of carbonate precipitation in a hypersaline lake. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 979-990.	1.6	31
88	The importance of groundwater in playas: A review of playa classifications and the sedimentology and hydrology of playas. <i>Special Paper of the Geological Society of America</i> , 1994, , 1-18.	0.5	175
89	STRATIGRAPHY AND HOLOCENE HISTORY OF LAKE HAYWARD, SWAN COASTAL PLAIN WETLANDS, WESTERN AUSTRALIA. , 1994, , 173-188.		8
90	A new location of Holocene dolomite formation, Lake Hayward, Western Australia. <i>Sedimentology</i> , 1992, 39, 161-166.	1.6	25

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91	Sedimentologic and geochemical constraints on the evolution of Bristol Dry Lake Basin, California, U.S.A. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1991, 84, 229-257.	1.0	44
92	The origin and significance of groundwater-seepage gypsum from Bristol Dry Lake, California, USA. <i>Sedimentology</i> , 1990, 37, 983-996.	1.6	50
93	Evolution of Gypsum Karst in the Kirschberg Evaporite Member Near Fredericksburg, Texas. <i>Journal of Sedimentary Research</i> , 1990, Vol. 60, .	0.8	5
94	Formation of dolomite in the Coorong region, South Australia. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 661-669.	1.6	83
95	Sedimentology, mineralogy and isotopic analysis of Pellet Lake, Coorong region, South Australia. <i>Sedimentology</i> , 1988, 35, 105-122.	1.6	80