

# Michel Meybeck

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10915244/publications.pdf>

Version: 2024-02-01

58  
papers

9,908  
citations

147801

31  
h-index

175258

52  
g-index

62  
all docs

62  
docs citations

62  
times ranked

11760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global carbon dioxide emissions from inland waters. <i>Nature</i> , 2013, 503, 355-359.	27.8	1,670
2	Elemental mass-balance of material carried by major world rivers. <i>Marine Chemistry</i> , 1979, 7, 173-206.	2.3	1,249
3	Anthropogenic sediment retention: major global impact from registered river impoundments. <i>Global and Planetary Change</i> , 2003, 39, 169-190.	3.5	1,048
4	Mountains of the world, water towers for humanity: Typology, mapping, and global significance. <i>Water Resources Research</i> , 2007, 43, .	4.2	839
5	River discharges of water and nutrients to the Mediterranean and Black Sea: Major drivers for ecosystem changes during past and future decades?. <i>Progress in Oceanography</i> , 2009, 80, 199-217.	3.2	595
6	Global analysis of river systems: from Earth system controls to Anthropocene syndromes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003, 358, 1935-1955.	4.0	582
7	Riverine transport of atmospheric carbon: Sources, global typology and budget. <i>Water, Air, and Soil Pollution</i> , 1993, 70, 443-463.	2.4	293
8	The quality of rivers: From pristine stage to global pollution. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1989, 75, 283-309.	2.3	288
9	A New Typology for Mountains and Other Relief Classes. <i>Mountain Research and Development</i> , 2001, 21, 34-45.	1.0	287
10	Pre-industrial and contemporary fluxes of nitrogen through rivers: a global assessment based on typology. <i>Biogeochemistry</i> , 2004, 68, 71-105.	3.5	245
11	Lithologic composition of the Earth's continental surfaces derived from a new digital map emphasizing riverine material transfer. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	4.9	234
12	Spatial and seasonal dynamics of total suspended sediment and organic carbon species in the Congo River. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	4.9	185
13	Historical perspective of heavy metals contamination (Cd, Cr, Cu, Hg, Pb, Zn) in the Seine River basin (France) following a DPSIR approach (1950â€“2005). <i>Science of the Total Environment</i> , 2007, 375, 204-231.	8.0	169
14	Fluvial filtering of land-to-ocean fluxes: from natural Holocene variations to Anthropocene. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 107-123.	1.2	159
15	Increasing dependence of lowland populations on mountain water resources. <i>Nature Sustainability</i> , 2020, 3, 917-928.	23.7	156
16	Compared performances of different algorithms for estimating annual nutrient loads discharged by the eutrophic River Loire. <i>Hydrological Processes</i> , 2005, 19, 429-444.	2.6	140
17	TOTAL MINERAL DISSOLVED TRANSPORT BY WORLD MAJOR RIVERS / Transport en sels dissous des plus grands fleuves mondiaux. <i>Hydrological Sciences Bulletin Des Sciences Hydrologiques</i> , 1976, 21, 265-284.	0.2	138
18	Water Quality Degradation Effects on Freshwater Availability: Impacts of Human Activities. <i>Water International</i> , 2000, 25, 185-193.	1.0	138

#	ARTICLE	IF	CITATIONS
19	Critical budget of metal sources and pathways in the Seine River basin (1994–2003) for Cd, Cr, Cu, Hg, Ni, Pb and Zn. <i>Science of the Total Environment</i> , 2007, 375, 180-203.	8.0	131
20	Global coastal segmentation and its river catchment contributors: A new look at land-ocean linkage. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	4.9	112
21	How to Establish and Use World Budgets of Riverine Materials. , 1988, , 247-272.		104
22	Variations in trace element geochemistry in the Seine River Basin based on floodplain deposits and bed sediments. <i>Hydrological Processes</i> , 1999, 13, 1329-1340.	2.6	91
23	The influence of contrasting suspended particulate matter transport regimes on the bias and precision of flux estimates. <i>Science of the Total Environment</i> , 2006, 370, 515-531.	8.0	89
24	Title is missing!. <i>Hydrobiologia</i> , 1998, 373/374, 1-20.	2.0	82
25	Riverine quality at the Anthropocene: Propositions for global space and time analysis, illustrated by the Seine River. <i>Aquatic Sciences</i> , 2002, 64, 376-393.	1.5	80
26	Daily variability of river concentrations and fluxes: indicators based on the segmentation of the rating curve. <i>Hydrological Processes</i> , 2012, 26, 1188-1207.	2.6	67
27	River flux uncertainties predicted by hydrological variability and riverine material behaviour. <i>Hydrological Processes</i> , 2013, 27, 3535-3546.	2.6	65
28	The geochemistry of Seine River Basin particulate matter: distribution of an integrated metal pollution index. <i>Science of the Total Environment</i> , 2004, 328, 219-236.	8.0	58
29	Riverine fluxes of pollutants: Towards predictions of uncertainties by flux duration indicators. <i>Comptes Rendus - Geoscience</i> , 2007, 339, 367-382.	1.2	46
30	The geochemical composition of the terrestrial surface (without soils) and comparison with the upper continental crust. <i>International Journal of Earth Sciences</i> , 2012, 101, 365-376.	1.8	44
31	Investigating the metal contamination of sediment transported by the 2016 Seine River flood (Paris.) <i>Tj ETQq1 1 0.784314 mgBT /Ove</i> 7.5 38		
32	Carbon and suspended sediment transport in an impounded alpine river (Isère, France). <i>Hydrological Processes</i> , 2013, 27, 2498-2508.	2.6	31
33	Impair-then-Repair: A Brief History & Global-Scale Hypothesis Regarding Human-Water Interactions in the Anthropocene. <i>Daedalus</i> , 2015, 144, 94-109.	1.8	31
34	Choosing methods for estimating dissolved and particulate riverine fluxes from monthly sampling. <i>Hydrological Sciences Journal</i> , 2013, 58, 1326-1339.	2.6	23
35	Responses of Continental Aquatic Systems at the Global Scale: New Paradigms, New Methods. <i>Global Change - the IGBP Series</i> , 2004, , 375-413.	2.1	20
36	Man and river interface: multiple impacts on water and particulates chemistry illustrated in the Seine river basin. , 1998, , 1-20.		20

#	ARTICLE	IF	CITATIONS
37	Variations in Sediment Yield from the Upper Doubs River Carbonate Watershed (Jura, France) since the Late-Glacial Period. <i>Quaternary Research</i> , 1999, 51, 267-279.	1.7	18
38	Extreme events in the sedimentary record of maar Lake Pavin: Implications for natural hazards assessment in the French Massif Central. <i>Quaternary Science Reviews</i> , 2016, 141, 9-25.	3.0	18
39	The Water Framework Directive's "percentage of surface water bodies at good status": unveiling the hidden side of a "hyperindicator". <i>Ecological Indicators</i> , 2017, 78, 371-380.	6.3	18
40	Stream Solutes and Particulates Export Regimes: A New Framework to Optimize Their Monitoring. <i>Frontiers in Ecology and Evolution</i> , 2020, 7, .	2.2	18
41	River water quality Global ranges, time and space variabilities, proposal for some redefinitions. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1996, 26, 81-96.	0.1	15
42	Transport et qualité des sédiments fluviaux : de la variabilité spatio-temporelle à la gestion. <i>Houille Blanche</i> , 2001, 87, 34-43.	0.3	13
43	La construction politique de la commune mesure de la qualité des eaux superficielles en France: de l'«équivalent-habitant au bon état (1959-2013). <i>Développement Durable Et Territoires</i> , 2017, , .	0.1	10
44	Trajectories of the Seine River Basin. <i>Handbook of Environmental Chemistry</i> , 2020, , 1-28.	0.4	9
45	Incertitudes sur les métriques de qualité des cours d'eau (médianes et quantiles de concentrations,) <i>TJ ETQq1_1</i> 0.784314 rgB	0.3	7
46	Versailles facing the degradation of its water supply from the Seine River: governance, water quality expertise and decision making, 1852-1894. <i>Water History</i> , 2018, 10, 183-205.	1.3	7
47	Sedimentary Archives Reveal the Concealed History of Micropollutant Contamination in the Seine River Basin. <i>Handbook of Environmental Chemistry</i> , 2020, , 269-300.	0.4	6
48	La mesure de la qualité chimique de l'eau, 1850-1970. <i>Houille Blanche</i> , 2009, 95, 25-30.	0.3	6
49	Variabilité journalière de la qualité des rivières et son incidence sur la surveillance a long terme : exemple de la Loire moyenne. <i>Houille Blanche</i> , 2009, 95, 91-99.	0.3	6
50	The Evolution of the Seine Basin Water Bodies Through Historical Maps. <i>Handbook of Environmental Chemistry</i> , 2020, , 29-57.	0.4	5
51	The Lateral Carbon Pump, and the European Carbon Balance. <i>Ecological Studies</i> , 2008, , 341-360.	1.2	5
52	A Western European River in the Anthropocene: The Seine, 1870-2010. , 2017, , 84-100.		4
53	Pavin, the Birthplace of French Limnology (1770-2012), and Its Degassing Controversy (1986-2016). , 2016, , 3-27.		2
54	Pavin, A Rich but Fragmented History (200 AD-2016). , 2016, , 29-52.		2

#	ARTICLE	IF	CITATIONS
55	River Basin Visions: Tools and Approaches from Yesterday to Tomorrow. Handbook of Environmental Chemistry, 2020, , 381-414.	0.4	1
56	Dragons, Fairies, Miracles and Worship at Pavin and Other European Maar-Lakes. , 2016, , 53-79.		1
57	Continental Atlantic Rivers: The Meuse, Loire and Adour-Garonne Basins. , 2022, , 225-228.		1
58	References Part D. Global Change - the IGBP Series, 2004, , 465-479.	2.1	0