



Citation overview

The citation overview has been downloaded as a comma separated le (.csv).

Back to author details

Export Print

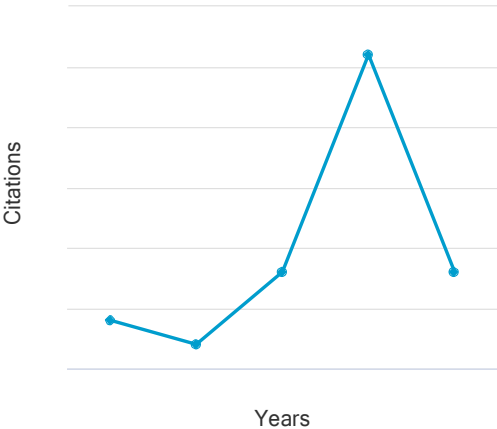
This is an overview of citations for this author.

Author *h*-index : View *h*-graph ?

Cited Documents from"Skrobonja, Aleksandra" + Add to list

Author ID:

Date range: to ☐ Exclude self citations of selected author ☐ Exclude self citations of all authors ☐ Exclude citations from books



Sort on: Date (newest)

Page Remove

Documents	Citations	Subtotal	Total
Total		7	
<input type="checkbox"/> Inputs of Terrestrial Dissolved Organic Matter Enhance Bacte...			
<input type="checkbox"/> Uptake Kinetics of Methylmercury in a Freshwater Alga Expose...			
<input type="checkbox"/> Deciphering the Role of Water Column Redoxclines on Methylme...			
<input type="checkbox"/> Organic matter drives high interannual variability in methyl...			

Display: results per page

[Top of page](#)

About Scopus

[What is Scopus](#)
[Content coverage](#)
[Scopus blog](#)
[Scopus API](#)
[Privacy matters](#)

Language

[日本語版を表示する](#)
[查看 简体中文 版本](#)
[Просмотр версии на русском языке](#)

Customer Service

[Help](#)
[Tutorials](#)
[Contact us](#)

ELSEVIER

[Terms and conditions](#) ↗ [Privacy policy](#) ↗

Copyright © Elsevier B.V. ↗ All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies ↗



Uptake Kinetics of Methylmercury in a Freshwater Alga Exposed to Methylmercury Complexes with Environmentally Relevant Thiols

Skrobonja A., Gojkovic Z., Soerensen A.L., Westlund P.-O., Funk C., Bjorn E.
(2019) Environmental Science and Technology, 53 (23) , pp. 13757-13766.

Scopus

EXPORT DATE:29 May 2023

1. Mason, R.P., Buckman, K.L., Seelen, E.A., Taylor, V.F., Chen, C.Y. An examination of the factors influencing the bioaccumulation of methylmercury at the base of the estuarine food web (2023) Science of the Total Environment, 886, art. no. 163996, DOI: 10.1016/j.scitotenv.2023.163996
2. Jonsson, S., Mastromonaco, M.N., Wang, F., Bravo, A.G., Cairns, W.R.L., Chételat, J., Douglas, T.A., Lescord, G., Ukonmaanaho, L., Heimbürger-Boavida, L.-E. Arctic methylmercury cycling (2022) Science of the Total Environment, 850, art. no. 157445. DOI: 10.1016/j.scitotenv.2022.157445
3. Li, Z., Chi, J., Shao, B., Wu, Z., He, W., Liu, Y., Sun, P., Lin, H., Wang, X., Zhao, Y., Chen, L., Tong, Y. Inhibition of methylmercury uptake by freshwater phytoplankton in presence of algae-derived organic matter (2022) Environmental Pollution, 313, art. no. 120111. DOI: 10.1016/j.envpol.2022.120111
4. Cossart, T., Garcia-Calleja, J., Santos, J.P., Kalahroodi, E.L., Worms, I.A.M., Pedrero, Z., Amouroux, D., Slaveykova, V.I. Role of phytoplankton in aquatic mercury speciation and transformations (2022) Environmental Chemistry, 19 (4), pp. 104-115. DOI: 10.1071/EN22045
5. Wu, Z., Li, Z., Shao, B., Zhang, Y., He, W., Lu, Y., Gusvitskii, K., Zhao, Y., Liu, Y., Wang, X., Tong, Y. Impact of dissolved organic matter and environmental factors on methylmercury concentrations across aquatic ecosystems inferred from a global dataset (2022) Chemosphere, 294, art. no. 133713. DOI: 10.1016/j.chemosphere.2022.133713
6. Li, M., Slaveykova, V.I. Dual role of titanium dioxide nanoparticles in the accumulation of inorganic and methyl mercury by crustacean *Daphnia magna* through waterborne and dietary exposure (2022) Environmental Pollution, 295, art. no. 118619. DOI: 10.1016/j.envpol.2021.118619
7. Wang, Y., Liu, J., Liem-Nguyen, V., Tian, S., Zhang, S., Wang, D., Jiang, T. Binding strength of mercury (II) to different dissolved organic matter: The roles of DOM properties and sources (2022) Science of the Total Environment, 807, art. no. 150979. DOI: 10.1016/j.scitotenv.2021.150979
8. Hao, Y.-Y., Zhu, Y.-J., Yan, R.-Q., Gu, B., Zhou, X.-Q., Wei, R.-R., Wang, C., Feng, J., Huang, Q., Liu, Y.-R. Important Roles of Thiols in Methylmercury Uptake and Translocation by Rice Plants (2022) Environmental Science and Technology. DOI: 10.1021/acs.est.2c00169
9. Cossart, T., Garcia-Calleja, J., Worms, I.A.M., Tessier, E., Kavanagh, K., Pedrero, Z., Amouroux, D., Slaveykova, V.I. Species-specific isotope tracking of mercury uptake and transformations by pico-nanoplankton in an eutrophic lake (2021) Environmental Pollution, 288, art. no. 117771. DOI: 10.1016/j.envpol.2021.117771

10. Garcia-Calleja, J., Cossart, T., Pedrero, Z., Santos, J.P., Ouerdane, L., Tessier, E., Slaveykova, V.I., Amouroux, D. Determination of the Intracellular Complexation of Inorganic and Methylmercury in *Cyanobacterium Synechocystis* sp. PCC 6803 (2021) *Environmental Science and Technology*, 55 (20), pp. 13971-13979.. DOI: 10.1021/acs.est.1c01732
11. Allahverdiyeva, Y., Aro, E.-M., van Bavel, B., Escudero, C., Funk, C., Heinonen, J., Herfindal, L., Lindblad, P., Mäkinen, S., Penttilä, M., Sivonen, K., Skogen Chauton, M., Skomedal, H., Skjermo, J. NordAqua, a Nordic Center of Excellence to develop an algae-based photosynthetic production platform (2021) *Physiologia Plantarum*, 173 (2), pp. 507-513. DOI: 10.1111/ppl.13394
12. Cossa, D., Mucci, A., Guéron, S., Coquery, M., Radakovich, O., Escoube, R., Campillo, S., Heussner, S. Mercury accumulation in the sediment of the Western Mediterranean abyssal plain: A reliable archive of the late Holocene (2021) *Geochimica et Cosmochimica Acta*, 309, pp. 1-15. DOI: 10.1016/j.gca.2021.06.014
13. Quiroga-Flores, R., Guéron, S., Achá, D. High methylmercury uptake by green algae in Lake Titicaca: Potential implications for remediation (2021) *Ecotoxicology and Environmental Safety*, 207, art. no. 111256. DOI: 10.1016/j.ecoenv.2020.111256

Deciphering the Role of Water Column Redoxclines on Methylmercury Cycling Using Speciation Modeling and Observations From the Baltic Sea

Soerensen A.L., Schartup A.T., Skrobonja A., Bouchet S., Amouroux D., Liem-Nguyen V., Bjorn E.

(2018) Global Biogeochemical Cycles, 32 (10) , pp. 1498-1513.

Scopus

EXPORT DATE:29 May 2023

1. Sonke, J.E., Angot, H., Zhang, Y., Poulain, A., Björn, E., Schartup, A. Global change effects on biogeochemical mercury cycling (2023) *Ambio*, 52 (5), pp. 853-876.. DOI: 10.1007/s13280-023-01855-y
2. Balzer, L., Baptista-Salazar, C., Jonsson, S., Biester, H. Role of formation and decay of seston organic matter in the fate of methylmercury within the water column of a eutrophic lake (2023) *Biogeosciences*, 20 (7), pp. 1459-1472. DOI: 10.5194/bg-20-1459-2023
3. Capo, E., Cosio, C., Gascón Díez, E., Loizeau, J.-L., Mendes, E., Adate, T., Franzenburg, S., Bravo, A.G. Anaerobic mercury methylators inhabit sinking particles of oxic water columns (2023) *Water Research*, 229, art. no. 119368.DOI: 10.1016/j.watres.2022.119368
4. Wang, Y., Wu, P., Zhang, Y. Climate-driven changes of global marine mercury cycles in 2100 (2023) *Proceedings of the National Academy of Sciences of the United States of America*, 120 (2), art. no. e2202488120, . Cited 1 time. DOI: 10.1073/pnas.2202488120
5. Jędruch, A., Falkowska, L., Saniewska, D., Grajewska, A., Bełdowska, M., Meissner, W., Kalisińska, E., Duzinkiewicz, K., Pacyna, J.M. Mercury in the Polish part of the Baltic Sea: A response to decreased atmospheric deposition and changing environment (2023) *Marine Pollution Bulletin*, 186, art. no. 114426. DOI: 10.1016/j.marpolbul.2022.114426
6. Capo, E., Peterson, B.D., Kim, M., Jones, D.S., Acinas, S.G., Amyot, M., Bertilsson, S., Björn, E., Buck, M., Cosio, C., Elias, D.A., Gilmour, C., Goñi-Urriza, M., Gu, B., Lin, H., Liu, Y.-R., McMahon, K., Moreau, J.W., Pinhassi, J., Podar, M., Puente-Sánchez, F., Sánchez, P., Storck, V., Tada, Y., Vigneron, A., Walsh, D.A., Vandewalle-Capo, M., Bravo, A.G., Gionfriddo, C.M. A consensus protocol for the recovery of mercury methylation genes from metagenomes (2023) *Molecular Ecology Resources*, 23 (1), pp. 190-204. DOI: 10.1111/1755-0998.13687
7. Tisserand, D., Guédron, S., Viollier, E., Jézéquel, D., Rigaud, S., Campillo, S., Sarret, G., Charlet, L., Cossa, D. Mercury, organic matter, iron, and sulfur co-cycling in a ferruginous meromictic lake (2022) *Applied Geochemistry*, 146, art. no. 105463. DOI: 10.1016/j.apgeochem.2022.105463
8. Capo, E., Feng, C., Bravo, A.G., Bertilsson, S., Soerensen, A.L., Pinhassi, J., Buck, M., Karlsson, C., Hawkes, J., Björn, E. Expression Levels of hgcAB Genes and Mercury Availability Jointly Explain Methylmercury Formation in Stratified Brackish Waters (2022) *Environmental Science and Technology*, 56 (18), pp. 13119-13130.DOI: 10.1021/acs.est.2c03784

9. Gallorini, A., Loizeau, J.-L. Lake snow as a mercury methylation micro-environment in the oxic water column of a deep peri-alpine lake (2022) *Chemosphere*, 299, art. no. 134306. DOI: 10.1016/j.chemosphere.2022.134306
10. West, J., Gindorf, S., Jonsson, S. Photochemical Degradation of Dimethylmercury in Natural Waters (2022) *Environmental Science and Technology*, 56 (9), pp. 5920-5928. DOI: 10.1021/acs.est.1c08443
11. Bouchet, S., Tessier, E., Masbou, J., Point, D., Lazzaro, X., Monperrus, M., Guédron, S., Acha, D., Amouroux, D. In Situ Photochemical Transformation of Hg Species and Associated Isotopic Fractionation in the Water Column of High-Altitude Lakes from the Bolivian Altiplano (2022) *Environmental Science and Technology*, 56 (4), pp. 2258-2268. DOI: 10.1021/acs.est.1c04704
12. Capo, E., Broman, E., Bonaglia, S., Bravo, A.G., Bertilsson, S., Soerensen, A.L., Pinhassi, J., Lundin, D., Buck, M., Hall, P.O.J., Nascimento, F.J.A., Björn, E. Oxygen-deficient water zones in the Baltic Sea promote uncharacterized Hg methylating microorganisms in underlying sediments (2022) *Limnology and Oceanography*, 67 (1), pp. 135-146. DOI: 10.1002/lno.11981
13. Osterwalder, S., Nerentorp, M., Zhu, W., Jiskra, M., Nilsson, E., Nilsson, M.B., Rutgersson, A., Soerensen, A.L., Sommar, J., Wallin, M.B., Wängberg, I., Bishop, K. Critical Observations of Gaseous Elemental Mercury Air-Sea Exchange (2021) *Global Biogeochemical Cycles*, 35 (8), art. no. e2020GB006742. DOI: 10.1029/2020GB006742
14. Demarty, M., Bilodeau, F., Tremblay, A. Mercury Export From Freshwater to Estuary: Carbocentric Science Elucidates the Fate of a Toxic Compound in Aquatic Boreal Environments (2021) *Frontiers in Environmental Science*, 9, art. no. 697563. DOI: 10.3389/fenvs.2021.697563
15. Capo, E., Bravo, A.G., Soerensen, A.L., Bertilsson, S., Pinhassi, J., Feng, C., Andersson, A.F., Buck, M., Björn, E. Deltaproteobacteria and Spirochaetes-Like Bacteria Are Abundant Putative Mercury Methylators in Oxygen-Deficient Water and Marine Particles in the Baltic Sea (2020) *Frontiers in Microbiology*, 11, art. no. 574080. DOI: 10.3389/fmicb.2020.574080
16. Zhang, Y., Soerensen, A.L., Schartup, A.T., Sunderland, E.M. A Global Model for Methylmercury Formation and Uptake at the Base of Marine Food Webs (2020) *Global Biogeochemical Cycles*, 34 (2), art. no. e2019GB006348. DOI: 10.1029/2019GB006348
17. Guo, L., Painter, S.L., Brooks, S.C., Parks, J.M., Smith, J.C. A probabilistic perspective on thermodynamic parameter uncertainties: Understanding aqueous speciation of mercury (2019) *Geochimica et Cosmochimica Acta*, 263, pp. 108-121. DOI: 10.1016/j.gca.2019.07.053
18. Azad, A.M., Frantzen, S., Bank, M.S., Johnsen, I.A., Tessier, E., Amouroux, D., Madsen, L., Maage, A. Spatial distribution of mercury in seawater, sediment, and seafood from the Hardangerfjord ecosystem, Norway (2019) *Science of the Total Environment*, 667, pp. 622-637. DOI: 10.1016/j.scitotenv.2019.02.352

Organic matter drives high interannual variability in methylmercury concentrations in a subarctic coastal sea

Soerensen A.L., Schartup A.T., Skrobonja A., Bjorn E.

(2017) Environmental Pollution, 229 , pp. 531-538.

Scopus

EXPORT DATE:29 May 2023

1. Eriksson, K.I.A., Ahlinder, J., Ramasamy, K.P., Andersson, A., Sundell, D., Karlsson, L., Sjödin, A., Thelaus, J. Association between Legionella species and humic substances during early summer in the northern Baltic Sea (2023) Frontiers in Marine Science, 9, art. no. 1070341. DOI: 10.3389/fmars.2022.1070341
2. Tada, Y., Marumoto, K., Iwamoto, Y., Takeda, K., Sakugawa, H. Distribution and phylogeny of mercury methylation, demethylation, and reduction genes in the Seto Inland Sea of Japan (2023) Marine Pollution Bulletin, 186, art. no. 114381. DOI: 10.1016/j.marpolbul.2022.114381
3. Jonsson, S., Mastromonaco, M.N., Wang, F., Bravo, A.G., Cairns, W.R.L., Chételat, J., Douglas, T.A., Lescord, G., Ukonmaanaho, L., Heimbürger-Boavida, L.-E. Arctic methylmercury cycling (2022) Science of the Total Environment, 850, art. no. 157445. DOI: 10.1016/j.scitotenv.2022.157445
4. Mao, L., Ren, W., Liu, X., Lin, C., Wang, Z., Wang, B., Xin, M., He, M., Ouyang, W. Occurrence, allocation and geochemical controls for mercury in a typical estuarine ecosystem: Implications for the predictability of mercury species (2022) Marine Pollution Bulletin, 183, art. no. 114052. DOI: 10.1016/j.marpolbul.2022.114052
5. Ran, S., He, T., Zhou, X., Yin, D. Effects of fulvic acid and humic acid from different sources on Hg methylation in soil and accumulation in rice (2022) Journal of Environmental Sciences (China), 119, pp. 93-105. DOI: 10.1016/j.jes.2022.02.023
6. Wu, Z., Li, Z., Shao, B., Zhang, Y., He, W., Lu, Y., Gusvitskii, K., Zhao, Y., Liu, Y., Wang, X., Tong, Y. Impact of dissolved organic matter and environmental factors on methylmercury concentrations across aquatic ecosystems inferred from a global dataset (2022) Chemosphere, 294, art. no. 133713, DOI: 10.1016/j.chemosphere.2022.133713
7. Fioramonti, N.E., Ribeiro Guevara, S., Becker, Y.A., Riccialdelli, L. Mercury transfer in coastal and oceanic food webs from the Southwest Atlantic Ocean (2022) Marine Pollution Bulletin, 175, art. no. 113365, . DOI: 10.1016/j.marpolbul.2022.113365
8. Demarty, M., Bilodeau, F., Tremblay, A. Mercury Export From Freshwater to Estuary: Carbocentric Science Elucidates the Fate of a Toxic Compound in Aquatic Boreal Environments (2021) Frontiers in Environmental Science, 9, art. no. 697563. DOI: 10.3389/fenvs.2021.697563
9. Azad, A.M., Frantzen, S., Bank, M.S., Madsen, L., Maage, A. Mercury bioaccumulation pathways in tusk (Brosme brosme) from Sognefjord,

Norway: Insights from C and N isotope (2021) *Environmental Pollution*, 269, art. no. 115997, . DOI: 10.1016/j.envpol.2020.115997

10. Rosati, G., Solidoro, C., Canu, D. Mercury dynamics in a changing coastal area over industrial and postindustrial phases: Lessons from the Venice Lagoon (2020) *Science of the Total Environment*, 743, art. no. 140586. DOI: 10.1016/j.scitotenv.2020.140586
11. Yang, J., Kim, J., Soerensen, A.L., Lee, W., Han, S. The role of fluorescent dissolved organic matter on mercury photoreduction rates: A case study of three temperate lakes (2020) *Geochimica et Cosmochimica Acta*, 277, pp. 192-205. DOI: 10.1016/j.gca.2020.03.027
12. Tao, Z., Deng, H., Li, M., Chai, X. Mercury transport and fate in municipal solid waste landfills and its implications (2020) *Biogeochemistry*, 148 (1), pp. 19-29. DOI: 10.1007/s10533-020-00642-1
13. Gorokhova, E., Soerensen, A.L., Motwani, N.H. Mercury-methylating bacteria are associated with copepods: A proof-of-principle survey in the Baltic Sea (2020) *PLoS ONE*, 15 (3), art. no. e0230310, . DOI: 10.1371/journal.pone.0230310
14. Ding, L.-Y., Zhang, Y.-Y., Zhang, L.-J., Fang, F., He, N.-N., Liang, P., Wu, S.C., Wong, M.H., Tao, H.-C. Mercury methylation by *Geobacter metallireducens* GS-15 in the presence of *Skeletonema costatum* (2019) *Science of the Total Environment*, 671, pp. 208-214. DOI: 10.1016/j.scitotenv.2019.03.222
15. Wu, P., Kainz, M., Åkerblom, S., Bravo, A.G., Sonesten, L., Branfireun, B., Deininger, A., Bergström, A.-K., Bishop, K. Terrestrial diet influences mercury bioaccumulation in zooplankton and macroinvertebrates in lakes with differing dissolved organic carbon concentrations (2019) *Science of the Total Environment*, 669, pp. 821-832. DOI: 10.1016/j.scitotenv.2019.03.171
16. Lázaro, W.L., Díez, S., Bravo, A.G., da Silva, C.J., Ignácio, Á.R.A., Guimaraes, J.R.D. Cyanobacteria as regulators of methylmercury production in periphyton (2019) *Science of the Total Environment*, 668, pp. 723-729. DOI: 10.1016/j.scitotenv.2019.02.233
17. Buckman, K.L., Seelen, E.A., Mason, R.P., Balcom, P., Taylor, V.F., Ward, J.E., Chen, C.Y. Sediment organic carbon and temperature effects on methylmercury concentration: A mesocosm experiment (2019) *Science of the Total Environment*, 666, pp. 1316-1326. DOI: 10.1016/j.scitotenv.2019.02.302
18. Taylor, V.F., Buckman, K.L., Seelen, E.A., Mazrui, N.M., Balcom, P.H., Mason, R.P., Chen, C.Y. Organic carbon content drives methylmercury levels in the water column and in estuarine food webs across latitudes in the Northeast United States (2019) *Environmental Pollution*, 246, pp. 639-649. DOI: 10.1016/j.envpol.2018.12.064
19. Bravo, A.G., Kothawala, D.N., Attermeyer, K., Tessier, E., Bodmer, P., Ledesma, J.L.J., Audet, J., Casas-Ruiz, J.P., Catalán, N., Cauvy-Fraunié, S., Colls, M., Deininger, A., Evtimova, V.V., Fonvielle, J.A., Fuß, T., Gilbert, P., Herrero Ortega, S., Liu, L., Mendoza-Lera, C., Monteiro, J., Mor, J.-R., Nagler, M., Niedrist, G.H., Nydahl, A.C., Pastor, A., Pegg, J., Gutmann Roberts, C., Pilotto, F.,

Portela, A.P., González-Quijano, C.R., Romero, F., Rulík, M., Amouroux, D. The interplay between total mercury, methylmercury and dissolved organic matter in fluvial systems: A latitudinal study across Europe (2018) *Water Research*, 144, pp. 172-182. DOI: 10.1016/j.watres.2018.06.064

20. Schartup, A.T., Qureshi, A., Dassuncao, C., Thackray, C.P., Harding, G., Sunderland, E.M. A Model for Methylmercury Uptake and Trophic Transfer by Marine Plankton (2018) *Environmental Science and Technology*, 52 (2), pp. 654-662. DOI: 10.1021/acs.est.7b03821