

Prof. Inger Odnevall (previously Odnevall Wallinder), Ph.D., Div. Surface and Corrosion Science, KTH

201 Peer-reviewed scientific papers 1991-2021

h-index: 53 (google scholar), Citations: 9957 (Dec., 2021); RG (Research gate): Score 43.38 (Dec. -21), <https://orcid.org/0000-0003-2206-0082>

Fractionalized field normalized citations (3-year moving average): 2.17

Selected scientific papers of relevance for atmospheric corrosion/runoff

1. *A mechanistic study of stratified patina evolution on Sn-bronze in chloride-rich atmospheres*, T. Chang, A. Maltseva, P. Volovitch, I. Odnevall Wallinder, C. Leygraf, **Corrosion Science**, 166, 108477, <https://doi.org/10.1016/j.corsci.2020.108477> (2020)
2. *The Origin and Evolution of Copper Patina Colour*, C. Leygraf, T. Chang, G. Herting, I. Odnevall Wallinder, **Corrosion Science**, 157, 337-346, <https://doi.org/10.1016/j.corsci.2019.05.025> (2019)
3. *The role of Sn on the atmospheric corrosion of binary Sn-Cu bronze alloys in architecture*, T. Chang, G. Herting, S. Goidanich, J.-M. Sánchez Amaya, M. A. Arenas, N. Le Bozec, Y. Jin, C. Leygraf, I. Odnevall Wallinder, **Corrosion Science**, 149, 54-67.
4. *The golden alloy Cu₅Zn₅Al₁Sn: patina evolution in chloride-containing atmospheres* T. Chang, G. Herting, Y. Jin, C. Leygraf, I. Odnevall Wallinder, **Corrosion Science**, <https://doi.org/10.1016/j.corsci.2018.01.027> (2018)
5. *The golden alloy Cu-5Zn-5Al-1Sn: a multi-analytical surface characterization*: T. Chang, I. Odnevall Wallinder, Y. Jin, C. Leygraf, **Corrosion Science**, 10.1016/j.corsci.2017.11.014 (2017)
6. *Characterization of a centuries-old patinated copper roof tile from Queen Anne's summer palace in Prague*. M. Morcillo, T. Chang, B. Chico, D. de la Fuente, I. Odnevall Wallinder, J.A. Jiménez, C. Leygraf, **Materials Characterization**, 133C, 146-155, 10.1016/j.matchar.2017.09.034 (2017)
7. *A Critical Review on Corrosion and Runoff from Zinc and Zinc-based Alloys in Atmospheric Environments*. I. Odnevall Wallinder and C. Leygraf, **Corrosion**, 73(9), <http://dx.doi.org/10.5006/2458> (2017)
8. *On the mechanism of rust exfoliation in marine environments*, M. Morcillo, B. Chico, D. de la Fuente, I. Odnevall Wallinder, C. Leygraf, Corrosion Science and Technology section of **Journal of The Electrochemical Society**, 10.1149/2.0131702jes, 164 (2) C8-C16 (2017)
9. *Atmospheric corrosion of Zn-Al coatings in a simulated automotive*, X. Zhang, I. Odnevall Wallinder, C. Leygraf, **Surface Engineering**, 10.1080/02670844.2017.1305658 (2017)
10. *The protective role of hydrozincite during initial corrosion of a Cu₄₀Zn alloy in chloride-containing laboratory atmosphere*, X. Zhang, X. Liu, I. Odnevall Wallinder, C. Leygraf, **Corrosion Science**, 103, 20-29 (2016)
11. *Surface-rain interactions: Differences in copper runoff for copper sheet of different inclination, orientation, and atmospheric exposure conditions*, Y. S. Hedberg, S. Goidanich, G. Herting, I. Odnevall Wallinder, **Environmental Pollution**, 196, 363-370, DOI 10.1016/j.envpol.2014.11.003 (2015)_ (2/6-15: according to Elsevier, downloaded or viewed 862 times since publication)
12. *Mechanistic studies of corrosion product flaking on copper and copper-based alloys in marine environments*, X. Zhang, I. Odnevall Wallinder, C. Leygraf, **Corrosion Science**, 85, 15-25 (2014), <http://dx.doi.org/10.1016/j.corsci.2014.03.028> (2014)
13. *Critical review: Copper runoff from outdoor copper surfaces at atmospheric conditions*, Y.S. Hedberg, J.F. Hedberg, G. Herting, S. Goidanich, I. Odnevall Wallinder, **Environmental Science and Technology**, 48, 1372-1381 DOI 10.1021/es404410s (2014)
14. *Corrosion and runoff rates of Cu and three Cu-alloys in marine environments with increasing chloride deposition rate*, I. Odnevall Wallinder, X. Zhang, S. Goidanich, N. Le Bozec, G. Herting, and C. Leygraf **Science of the Total Environment**, 472, 681-694 (2014)

15. *Atmospheric corrosion of Galfan in chloride-rich environment*, X. Zhang, C. Leygraf, I. Odnevall Wallinder, **Corrosion Science**, 73, 62-71 (2013)
16. *Spatial distribution and formation of corrosion products in relation to zinc release for zinc sheet and coated pre-weathered zinc at urban and a marine atmospheric conditions*, J. Hedberg, N. Le Bozec, I. Odnevall Wallinder, **Materials and Corrosion**, 64, 4, 300-308, (2013)
17. *Evolution of corrosion products and metal release from Galvalume coating during short and long-term atmospheric exposures*, P. Qiu, C. Leygraf, I. Odnevall Wallinder, **Materials Chemistry and Physics**, 133, 419– 428 (2012)
18. *The initial release of zinc and aluminium from non-treated Galvalume and the formation of corrosion products in chloride containing media*, X. Zhang, T.-N. Vu, P. Volovitch, C. Leygraf, K. Ogle, I. Odnevall Wallinder, **Applied Surface Science**, 258, 4351-4359 doi:10.1016/j.apsusc.2011.12.112 (2011)
<http://www.citeulike.org/article/10191454>
19. *Long-term use of galvanized steel in external applications. Aspects of patina formation, zinc runoff, barrier properties of surface treatments and coatings and environmental fate*, D. Lindström, I. Odnevall Wallinder, **Environmental Monitoring and Assessment**, 173:139–153, (2011)
20. *Atmospheric corrosion of brass in outdoor applications. Patina evolution, metal release and aesthetic appearance at urban exposure conditions*, S. Goidanich, J. Brunk, G. Herting, M.A. Arenas, I. Odnevall Wallinder, **the Science of the Total Environment**, 412–413, 46–57 (2011)
21. *Chromium(III) and chromium(VI) surface treated galvanized steel for outdoor constructions - environmental aspects.*, D. Lindström, Y. Hedberg, and I. Odnevall Wallinder, **Environmental Science and Technology**, 44, 4322–4327 (2010)
22. *Storm water runoff measurements of copper from a naturally patinated roof and from a parking space. Aspects on environmental fate and chemical speciation.*
I. Odnevall Wallinder, Y. Hedberg and P. Dromberg, **Water Research**, 43, 5031-5038 (2009)
23. *Corrosion-induced Metal Release from Copper-Based Alloys Compared to Their Pure Elements*, S. Goidanich, I. Odnevall Wallinder, G. Herting, C. Leygraf, **Corrosion Engineering Science and Technology**, 43(2), 134, (2008)
24. *Corrosion-induced copper release from rain gutters*, B. Bahar, I. Odnevall Wallinder, C. Leygraf, **Metall**, 62(3), 129-135 (2008)
25. *The interaction between concrete pavement and corrosion-induced copper runoff from buildings*, B. Bahar, G. Herting, I. Odnevall Wallinder, K. Hakkila, C. Leygraf, M. Virta, **Environmental Monitoring and Assessment**, 140, 175-189 (2008)
26. *Corrosion-induced release of Cu and Zn into rainwater from brass, bronze and their pure metals. A two-year field study*, G. Herting, S. Goidanich, I. Odnevall Wallinder, C. Leygraf, **Environmental Monitoring and Assessment**, 144, 445-461 (2008)
27. *Modelling and mapping of copper runoff for Europe*, I. Odnevall Wallinder, B. Bahar, C. Leygraf, J. Tidblad, **Journal of Environmental Monitoring**, 9, 66-73 (2007)
28. *Corrosion-induced zinc runoff from construction materials in a marine environment* J. Sandberg, I. Odnevall Wallinder, C. Leygraf, N. Le Bozéc, **J. Electrochemical Society**, 154(2) pp. C120-C131, (2007)
29. *Model studies of corrosion-induced copper runoff fate in soil*, S. Bertling, F. Degryse, I. Odnevall Wallinder, E. Smolders, C. Leygraf, **Environmental Toxicology and Chemistry**, 25(3), 683-691, (2006)
30. *Long term corrosion-induced copper runoff from natural and artificial patina and its environmental fate*, S. Bertling, I. Odnevall Wallinder, D. Berggren, C. Leygraf, **Environmental Toxicology and Chemistry**, 25(3), 891-898, (2006)
31. *Occurrence and Fate of Corrosion-Induced Zinc in Runoff Water from External Structures*, S. Bertling, I. Odnevall Wallinder, C. Leygraf, D. Berggren Kleja, **The Science of the Total Environment**, 367, 2-3, 908-923, (2006)
32. *Corrosion-induced release and environmental interaction of chromium, nickel and iron from stainless steel*, I. Odnevall Wallinder, S. Bertling, D. Berggren Kleja, C. Leygraf, **Water, air and soil pollution**, 170, 17-35, (2006)

33. Raman and infrared spectral analysis of corrosion products on zinc - $\text{NaZn}_4\text{Cl}(\text{OH})_6\text{SO}_4 \cdot 6\text{H}_2\text{O}$ and $\text{Zn}_4\text{Cl}_2(\text{OH})_4\text{SO}_4 \cdot 5\text{H}_2\text{O}$, R.S. Jayasree, V.P. Mahadevan Pillai, V.U. Nayar, I. Odnevall, G. Keresztury, **Materials Chemistry and Physics**, 99, 2-3, 474-478 (2006)
34. Corrosion-induced copper runoff from naturally and pre-patinated copper in a marine environment, J. Sandberg, I. Odnevall Wallinder, C. Leygraf, N. Le Bozéc, **Corrosion Science**, 48(12), 4316-4338 (2006)
35. Runoff and fate of zinc from outdoor constructions - Selected results from a five-year exposure programme, I. Odnevall Wallinder, S. Bertling and C. Leygraf, **Metall**, 59, 10, 629-633 (2005)
36. A comparison of release rates of Cr, Ni and Fe from stainless steel alloys and the pure metals exposed to simulated rain events, G. Herting, I. Odnevall Wallinder, and C. Leygraf, **Journal of Electrochemical Society**, 152(1), B23-29 (2005)
37. Predictive models of copper runoff from external structure, I. Odnevall Wallinder, S. Bertling, X. Zhang, and C. Leygraf, **Journal of Environmental Monitoring**, 6, 704-712 (2004)
38. Environmental interaction of copper and zinc released from building materials as a result of atmospheric corrosion, I. Odnevall Wallinder, S. Bertling, and C. Leygraf, **Metall**, 58, 11, 717-720 (2004)
39. Multianalytical in-situ investigation of the initial atmospheric corrosion of bronze, M. Wadsak, T. Aastrup, I. Odnevall Wallinder, C. Leygraf and M. Schreiner, **Corrosion Science**, 44(4), 791 (2002)
40. Release rates of chromium and nickel from 304 and 316 stainless steel during urban atmospheric exposure. - A combined field and laboratory study, I. Odnevall Wallinder, J. Lu, S. Bertling and C. Leygraf, **Corrosion Science**. 44, 2303 (2002)
41. Determination of Instantaneous Corrosion Rates and Runoff Rates of Copper from Naturally Patinated Copper during Continuous Rain Events, X. Zhang, W. He, I. Odnevall Wallinder, J. Pan and C. Leygraf, **Corrosion Science**, 44/9 pp 2131-2151, (2002)
42. Runoff rates, Chemical speciation and Bioavailability of Copper Dispersion from Naturally Patinated Copper Roofs, C. Karlén, I. Odnevall Wallinder, D. Heijerick and C. Leygraf, **Environmental Pollution**, 120(3), 691-700 (2002)
43. Bioavailability of zinc in runoff water from roofing materials, D. Heijerick, C.R. Janssen, C. Karlén, I. Odnevall Wallinder and C. Leygraf, **Chemosphere**, 47(10), pp 1073-1080, (2002)
44. Atmospheric Corrosion of Naturally and Pre-Patinated Copper Roofs in Singapore and Stockholm – Runoff rates and corrosion product formation, I. Odnevall Wallinder, T. Korpinen, R. Sundberg, and C. Leygraf, *Outdoor and Indoor Atmospheric Corrosion*, **ASTM STP 1421**, p. 230, H.E. Townsend, Ed., American Society for Testing and Materials, West Conshohocken, PA, (2002)
45. Runoff Rates of Zinc - a Four-Year Field and Laboratory Study, W. He, I. Odnevall Wallinder, and C. Leygraf, *Outdoor and Indoor Atmospheric Corrosion*, **ASTM STP 1421**, p. 216, H.E. Townsend, Ed., American Society for Testing and Materials, West Conshohocken, PA, (2002)
46. Environmental Effects of Zinc Runoff from Roofing Materials – A New Multidisciplinary Approach, S. Bertling, I. Odnevall Wallinder, C. Leygraf and D. Berggren, *Outdoor and Indoor Atmospheric Corrosion*, **ASTM STP 1421**, p. 200, H.E. Townsend, Ed., American Society for Testing and Materials, West Conshohocken, PA, (2002)
47. The evolution of outdoor copper patina, A. Krätschmer, I. Odnevall Wallinder C. Leygraf, **Corrosion Science**, 44(3), 425 (2002)
48. Design of accelerated corrosion tests for electronic components in automotive applications, P. Eriksson, B. Carlsson, I. Odnevall Wallinder, **IEEE CPMT Transactions, Components, Packaging Techn.**, 24(1), 99 (2001)
49. Atmospheric corrosion of zinc-based materials: runoff rates, chemical speciation and ecotoxicity effects, I. Odnevall Wallinder, C. Leygraf, C. Karlén, D. Heijerick and C.R. Janssen, **Corrosion Science.**, 43(5), 809 (2001)
50. Runoff rates and ecotoxicity of zinc induced by atmospheric corrosion, C. Karlén, I. Odnevall Wallinder, D. Heijerick, C. Leygraf, C.R. Janssen, **The Science of the Total Environment**, 277 (1-3), pp 169-180 (2001)

51. Seasonal variations in copper corrosion rate and runoff rate in an urban and a rural atmospheric environment, I. Odnevall Wallinder, C. Leygraf, **Corrosion Science**, 43/12, 2379 (2001)
52. A comparison between corrosion rates and runoff rates from new and aged copper and zinc as roofing materials, W. He, I. Odnevall Wallinder, C. Leygraf, **Water, Air and Soil pollution: Focus**, 1, 67-82 (2001)
53. Can metal run off from roofs have an environmental effect? Sundberg R, Odnevall Wallinder I, **Metall**, 55 (7-8) 439-441 (2001)
54. A laboratory study of copper and zinc runoff during first flush and steady state conditions, W. He, I. Odnevall Wallinder, C. Leygraf, **Corrosion Science**, 43(1), 127 (2001)
55. Effects of exposure direction and inclination on the runoff rates of zinc and copper roofs, I. Odnevall Wallinder, P. Verbiest, W. He, C. Leygraf, **Corrosion Science**, 42(8), 1471 (2000)
56. Characterization of black rust staining of unpassivated 55% Al-Zn alloy coatings. Effect of temperature, pH and wet storage, I. Odnevall Wallinder, W. He, P.-E. Augustsson, C. Leygraf, **Corrosion Science**, 41(12), 2229, (1999)
57. The influence of patina age and pollutant levels on the runoff rate of zinc from roofing materials, I. Odnevall, P. Verbiest, W. He, C. Leygraf, **Corrosion Science**, 40(11), 1977, (1998)
The Atmospheric Corrosion of Nickel in a Rural Atmosphere, I. Odnevall and C. Leygraf, **J. Electrochem. Soc.**, 144(10), 3518, (1997)
58. A study of copper runoff in an urban atmosphere, I. Odnevall, C. Leygraf, **Corrosion Science**, 39(12), 2039, (1997)
Analysis of Corrosion Products Formed on Copper in Cl₂/H₂S/NO₂ Exposure, M. Lenglet, J. Lopitiaux, C. Leygraf, I. Odnevall, M. Carballeira, J.-C. Noualhaguet, J. Guinement, J. Gautier, J. Boissel, **J. Electrochem. Soc.**, 142(11), 3690, (1995)
59. Atmospheric Corrosion of Copper in a Rural Atmosphere, I. Odnevall, C. Leygraf, **J. Electrochem. Soc.**, 142(11), 3682, (1995)
60. Formation of Zn₄Cl₂(OH)₄SO₄·5H₂O in an Urban and an Industrial Atmosphere, I. Odnevall, C. Leygraf, **Corrosion Science**, 36(9), 1551, (1994)
61. Formation of Zn₄SO₄(OH)₆·4H₂O in a Rural Atmosphere, I. Odnevall and C. Leygraf, **Corrosion Science**, 36(6), 1077, (1994)
62. Reaction Sequences in Atmospheric Corrosion of Zinc, I. Odnevall, C. Leygraf, "Atmospheric Corrosion", **ASTM STP 1239**, W.W. Kirk and Herbert H. Lawson, Eds., American Society for Testing and Materials, Philadelphia, (1994)
63. Zinc chlorohydroxosulfates: Newly Discovered Corrosion Products on Zinc. Structure Determination of NaZn₄Cl(OH)₆SO₄·6H₂O and X-ray study of Zn₄Cl₂(OH)₄SO₄·5H₂O, I. Odnevall, M. Westdahl, **Corrosion Science**, 34(8), 1231, (1993)
64. Formation of NaZn₄Cl(OH)₆SO₄·6H₂O in a Marine Atmosphere, I. Odnevall, C. Leygraf, **Corrosion Science**, 34(8), 1213, (1993)
65. A Comparison between Analytical Methods for Zinc Specimens Exposed in a Rural Atmosphere, I. Odnevall, C. Leygraf, **J. Electrochem. Soc.**, 138(7), 1923, (1991)

PhD-theses and licentiate theses

T. Chang, Doctoral Thesis, "Atmospheric corrosion of copper and copper-based alloys in architecture. From native surface oxides to fully developed patinas", Nov 30, 2018

X. Zhang, Doctoral Thesis, "Atmospheric corrosion of zinc-aluminum and copper-based alloys in chloride-rich environments - Microstructure, corrosion initiation, patina evolution and metal release", Sep. 26, 2014.

D. Lindström, Licentiate Thesis, "Galvanized steel in outdoor constructions – metal runoff, corrosion and patina formation" Dec 20, 2010.

Y. Hedberg, Licentiate Thesis, "Environmental and health aspects of corrosion – importance of chemical speciation", Oct 28, 2010.

J. Sandberg, Licentiate Thesis, "Corrosion-induced release of zinc and copper in marine environments", May 31, 2006.

S. Bertling, Doctoral Thesis, "Corrosion-induced metal runoff from external constructions and its environmental interaction. - A combined field and laboratory investigation of Zn, Cu, Cr and Ni for risk assessment." April 29, 2005.

W. He, Doctoral Thesis, "Atmospheric Corrosion and Runoff Processes on Copper and Zinc as Roofing Materials", May 16, 2002.

C. Karlén, Licentiate Thesis, "Atmospheric corrosion of copper and zinc-based materials: runoff rates, chemical speciation and ecotoxicity effects", Dec. 17, 2001.

W. He, Licentiate Thesis, "Corrosion rates and runoff rates of copper and zinc as roofing materials. - A combined field and laboratory study", March 17, 2000.

Book/chapters

ATMOSPHERIC CORROSION, 2nd edition, C. Leygraf, I. Odnevall Wallinder, J. Tidblad, T.E. Graedel
John Wiley & Sons (June 2016)

Popular science papers and presentations, selected since 2002

1. *A mechanistic study of the role of Sn on atmospheric corrosion of Sn-bronze at chloride-rich conditions*, T. Chang, C. Leygraf, I. Odnevall Wallinder, **EUROCORR 2019**, Sevilla, Spain
2. *Atmospheric corrosion and environmental aspects of metals and alloys in outdoor architecture: a 25-year perspective*, I. Odnevall Wallinder, C. Leygraf, **EUROCORR 2019**, Sevilla, Spain
3. *A Systematic Exploration of Copper Patina Colour*. C. Leygraf, G. Herting, T. Chang, I. Odnevall Wallinder, **EUROCORR 2019**, Sevilla, Spain
4. *Application of bioelution on metals and alloys – research findings*, I. Odnevall Wallinder, invited speaker, Workshop on **Refining the classification of metals and alloys to enable non-toxic society and circular economy**, Finnish Innovation Fund SITRA, Technology Industries of Finland, Helsinki, Oct 3, 2018 (<https://teknologiateollisuus.fi/en/news/solid-metal-and-metal-alloy-risks-must-be-tested-actual-conditions>)
5. *Results from > 20 years research: Cu in outdoor architecture – possibilities and challenges*, Invited Key note speaker, I. Odnevall Wallinder, **Copper Alloys 2018**, April 11-12, Milan, Italy, 2018 (<https://youtu.be/Txrjyuq1XWQ>)
6. *Characterization of a Multi-oxide Film on the Golden Alloy Cu₅Zn₅Al₁Sn based on Selective Oxide Stripping and Surface Analysis*, C. Leygraf, T. Chang, Y. Jin, I. Odnevall Wallinder, **69th International Society of Electrochemistry Meeting**, Bologna, Italy, Sept. 2018
7. *Multianalysis of Atmospheric Corrosion of the Golden Alloy Cu₅Zn₅Al₁Sn*. C. Leygraf, T. Chang, Y. Jin, G. Herting, I. Odnevall Wallinder, **Eurocorr 2018**
8. *Bioelution testing and surface reactivity of metals and alloys – research findings*, I. Odnevall Wallinder, invited speaker, Workshop on **Classification of metals and alloys and its implications on the non-toxic society**, WS MITF Metal Information, Jernkontoret, Stockholm, Sweden, Oct 31, 2017

9. *Analysis of historic copper patinas 2: Characterization of 400 year old patina from Royal summer palace in Prague.* Chico, B., De la Fuente, D., Jiménez, J.A. Chang, T., Odnevall Wallinder, I., Leygraf, C., Morcillo, M, **Eurocorr 2017**, Prague, the Czech Republic
10. *How copper & copper alloy surface appearances evolve*, Copper in Architecture, copperconcept.org, <http://copperconcept.org/en/publications/how-copper-and-copper-alloy-surface-appearances-evolve> pp. 14-15, 2017
11. *A Predictive Model for Zinc Runoff Rates from Zinc sheet and Galvanized steel used in outdoor construction*, I. Odnevall Wallinder and C. Leygraf, **Electrochemical Society Prime Meeting**, Oct. 2-7, Honolulu, Hawaii, 2016
12. *Rost kan skydda mot rost*, I. Odnevall Wallinder, G. Herting, **Forskning & Framsteg.**, 58, 6/2016, <http://fof.se/tidning/2016/6/artikel/rost-kan-skydda-mot-rost> (2016)
13. *Exploration of microstructure and surface composition on corrosion initiation of a Cu-Al-Zn alloy* Tingru Chang, Ying Jin, Christofer Leygraf, Inger Odnevall Wallinder, **Eurocorr 2016**, Sept. 11 – 15, Montpellier, France, 2016
14. *Atmospheric corrosion of architectural brass – corrosion rates, metal dispersion and patina evolution*, G. Herting, S. Goidanich, I. Odnevall Wallinder, **Brass Alloys 2016**, Stockholm, Sweden May 25-27, 2016
15. *Visual surface appearance of brass – is it showing the true colour?*, G. Herting, S. Goidanich and I. Odnevall Wallinder, **Brass Alloys 2016**, Stockholm, Sweden May 25-27, 2016
16. *Corrosion initiation and patina formation of brass alloys at atmospheric exposure conditions*, T. Chang, G. Herting, C. Leygraf, Y. Jin and I. Odnevall Wallinder, **Brass Alloys 2016**, Stockholm, Sweden May 25-27, 2016
17. *A fundamental study of the protective role of hydrozincite formed on brass in chloride-containing atmospheres*, Xian Zhang, Inger Odnevall Wallinder and Christofer Leygraf, **EUROCORR 2015**, Graz, Austria , Sept 6-10, 2015
18. *The role of microstructure on initial corrosion and metal release of Cu-Zn alloys in a chloride-containing laboratory atmosphere*, X. Zhang, I. Odnevall Wallinder, C. Leygraf, **Eurocorr 2014**, Sep. 8-12, Pisa, Italy, 2014
19. *Metaller, miljö och myter*; Invited lecturer at the Norwegian conference for 350 architects and building constructors, **Metall 13**, Oslo, Nov 6, 2013
20. *Metaller, miljö och myter*; Invited lecturer at the national conference for 350 architects and building constructors, **PLÅT 13**, Lindholmen Conf. Centre, Göteborg, Mars 7, 2013
21. *Spridning av metaller och nanopartiklar från utomhuskonstruktioner och konsumentprodukter*, Presentation, **Fredagsforum – Länsstyrelsen**, Stockholm, 8 dec., 2012
22. *Vackra, hållbara och miljövänliga metaller*, Intervju och artikel, **Plåt & Vent**, 2, 24-27, 2012
23. *Vad tar den kopparsom frigörs från koppartak vägen?*, G. Herting, I. Odnevall Wallinder, **Bygg och Teknik**, 4, 46-48 (2012).
24. *Spridning av metaller och nanopartiklar från konsumentprodukter*, Invited lecturer at the national workshop on Nanopartiklar i miljön - riskerna med belastningen av nanopartiklar från konsumentprodukter och vägtransporter, IVL Svenska Miljöinstitutet, 3 maj 2012
25. *Metaller, miljö och myter*; Invited lecturer at the national conference for 350 architects and building constructors, **PLÅT 12**, Malmö Högskola, Malmö, Feb. 2, 2012
26. *Copper architecture and the environment*, Interview of Prof. Odnevall Wallinder by Chris Hodson, **Copper Architecture Forum**, 31, 32-33, 2011
27. *Protective green patinas on copper in outdoor constructions*, Y. Hedberg and I. Odnevall Wallinder, *Journal of Environmental Protection*, JEP, doi: 10.4236/jep.2011.27109, Vol. 2 No. 7, 956-959 (2011)- open access
28. *Korrosion, Myter och Miljö*, Invited lecturer at the national conference for 350 architects and building constructors, **PLÅT 11**, Stockholm Water Front, Feb. 3, 2011
29. *Die Bindekapazität von Entwässerungssystemen für Kupfer von Kupferdächern - Vergleich von Regenwasserkupferkonzentrationen in einem Kupferdachentwässerungssystem und einem*

- Parkplatz, Y. Hedberg, P. Dromberg, I. Odnevall Wallinder, **Wasser- /Abwassertechnik**, 3/2010, 22-23, (2010)
30. Vad tar den koppar som frigörs från koppartak vägen?, I. Odnevall Wallinder, Y. Ullmann, P. Dromberg, **Bygg och Teknik**, 4/09, 28, (2009).
 31. Metals and alloys in external constructions – environmental interactions, Nacka Kommun, March 27, 2009
 32. Metals and alloys in external constructions – changes in speciation and bioavailability of corrosion-induced metal runoff upon environmental entry, Statens Fastighetsverks Kulturarvsenhet, March 2, 2009
 33. Corrosion- not only a material-related topic, Open lecture, Seminar Series: Chemical Science and Engineering, Jan 30, 2009
 34. Varmförzinkat stål i samhället, I. Odnevall Wallinder, D. Lindström, G. Herting, C. Leygraf, **Bygg och Teknik**, Maj, 2008
 35. Varmförzinkat stål i samhället, A. Hirn, I. Odnevall Wallinder, **Ytforum**, 3, 17, 2008
 36. Metals and alloys in external constructions – changes in speciation and bioavailability of corrosion-induced metal runoff upon environmental entry, Metals Task force, Seminar on metal bioavailability - results and practical applications, Oct. 18, 2007
 37. Vilken inverkan på miljön har metallavrinning från utomhuskonstruktioner, Sunda Hus, Miljöarbete i praktiken, Tyrénshuset, Stockholm, Nov. 22, 2006.
 38. Release of main metal constituents from alloys and the pure metals, Poster, Towards the city surface of tomorrow", Institute for Water Quality, Resources, and Waste Management, Vienna University of Technology, Federal Ministry of Agriculture, Forestry, Environment and Water Management, June 8-9, Vienna, Austria, 2006
 39. Release of main metal constituents from alloys and the pure metals, Poster, Towards the city surface of tomorrow", Institute for Water Quality, Resources, and Waste Management, Vienna University of Technology, Federal Ministry of Agriculture, Forestry, Environment and Water Management, June 8-9, Vienna, Austria, 2006
 40. Corrosion-induced release of zinc from various zinc-based construction materials in a marine environment, - Poster, "Towards the city surface of tomorrow", Institute for Water Quality, Resources, and Waste Management, Vienna University of Technology, Federal Ministry of Agriculture, Forestry, Environment and Water Management, June 8-9, Vienna, Austria, 2006
 41. Environmental fate of corrosion-induced metal release from stainless steel, I. Odnevall Wallinder, S. Bertling, G. Herting and C. Leygraf, **Nordic Steel and Mining Review**, 32, 2005
 42. Runoff and fate of zinc from outdoor constructions - Selected results from a five-year exposure programme (short summary"), I. Odnevall Wallinder, S. Bertling and C. Leygraf, **Protective Coatings Europe**, Sep., 2-4, 2005
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