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225 Peer-reviewed scientific papers 1991-2024

h-index: 59 (google scholar), Citations: 13,029 (Feb., 2024); RG (Research gate): Research interest score: 5,497, reads 136,465, citations 10,357(Feb. -24), <https://orcid.org/0000-0003-2206-0082>

1. *Effect of blue light illumination on atmospheric corrosion and bacterial adhesion on copper*, T. Chang, C. Leygraf, G. Herting, Y. Fan, R. Prasath Babu, M. Malkoch, E. Blomberg, I. Odnevall, **Corrosion Science**, 230, 111909, <https://doi.org/10.1016/j.corsci.2024.111909> (2024)
2. *Characterization of metal additive manufacturing powders: particle and surface characteristics and health implications for workers*, A. Alijagic, X. Wang, N.V. Srikanth Vallabani, P. Mellin, E. Särndahl, H.L. Karlsson, I. Odnevall, **Nano Select**, <http://doi.org/10.1002/nano.202300188> (2023)
3. *Eco-Corona-Mediated Transformation of Nanorod-like Y2O3 in Simulated Freshwater: a Short-Term Study: a short-term study*, A. Khort, T. Chang, J. Hua, E. Blomberg, T. Cedervall, I. Odnevall, **Nanoimpact**, 33, 100490, <https://doi.org/10.1016/j.impact.2023.100490> (2024)
4. *Health hazards of particles in additive manufacturing: a cross-disciplinary study on reactivity, toxicity and occupational exposure to two nickel-based alloys*, H. L. Karlsson, N.V.S Vallabani, X. Wang, M. Assenhøj, S. Ljunggren, H. Karlsson, I. Odnevall, **Scientific Reports**, <https://doi.org/10.1038/s41598-023-47884-1> (2023)
5. *Unravelling the mechanistic understanding of metal nanoparticle-induced reactive oxygen species formation: Insights from a Cu nanoparticle study*, A. Kessler, P. Huang, E. Blomberg, I. Odnevall, **Chemical Research in Toxicology**, 36, 12, 1891–1900, <https://doi.org/10.1021/acs.chemrestox.3c00177> (2023)
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7. *La corrosion : un défi pour une société durable*, R. Bender, D. Féron, D. Mills, S. Ritter, R. Bäßler, D. Bettge, I. De Graeve, A. Dugstad, S. Grassini, T. Hack, M. Halama, E.-H. Han, T. Harder, G. Hinds, J. Kittel, R. Krieg, C. Leygraf, L. Martinelli, A. Mol, D. Neff, J.-O. Nilsson, I. Odnevall, S. Paterson, S. Paul, T. Prošek, M. Raupach, R. I Revilla, F. Ropital, H. Schweigart, E. Szala, H. Terryn, J. Tidblad, S. Virtanen, P. Volovitch, D. Watkinson, M. Wilms, G. Winning, M. Zheludkevich, **Techniques de l'Ingénieur**, Matériaux | Corrosion Vieillessement, 2023
8. *Surface modification of aramid fiber meshes - the key to chemically recyclable epoxy composites*, K. Garfias, I. Odnevall, K. Odelius, M. Hakkarainen, **RSC Sustainability**, 1, 1967 – 1981, <https://doi.org/10.1039/D3SU00258F> (2023) (selected paper in the themed collection on Sustainable Composites-
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9. *Synergistic effect between Molybdenum back contact and CIGS absorber in the degradation of solar cells*, A. Debono, H. l'Hostis, A. Rebai, E. Mysliu, I. Odnevall, N. Schneider, J.-F. Guillemoles, A. Erbe, P. Volovitch, **Progress in Photovoltaics: Research and Applications**, 32(3), 137-155, <https://doi.org/10.1002/pip.3742> (2023)
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11. *Chloride Induced Secondary Passive Film Failure for Laser Additive Manufacturing Nickel-Based Superalloys during Electrochemical Machining*, Pengfei Guo, Xin Lin, Digby Macdonald, Inger Odnevall, Shaoli Zhang, Yufeng Zhang, Changjian Lin Qiang Wu, Yuan Yang, Weidong Huang,

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 15. *Could you become responsible for a future corrosion failure? - an educational study on concept learning and encouraging deep learning approaches in corrosion*, Y. Hedberg, I. Odnevall Wallinder, MS submitted
 16. *Stainless steel as a biomaterial*, G. Herting, I. Odnevall, Chapter on Stainless Steel, Biomaterials Handbook, in print
 17. *Smallest Unit of Maximal Entropy as Novel Experimental Criterion for Parametric Characterization of Middle- and High-Entropy Materials*, Alexander Khort, Alexander Dahlström, Sergey Roslyakov, Inger Odnevall, MS submitted
 18. *Importance of the micro-lattice structure of selective laser melting processed Mo/Mo(x)S(x+1) composite: Corrosion studies on the electrochemical performance in aqueous solutions*, N. Alinejadian, S. H. Kazemi, M. Grossberg-Kuusik, L. Kollo, I. Odnevall, K. G. Prashanth, **Materials Today Chemistry**, 26, 101219, <https://doi.org/10.1016/j.mtchem.2022.101219> (2022)
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Main supervisor of the following PhD (11+7 as co-supervisor) and Licentiate (8) theses

A. Kessler, Doctoral Thesis, "Surface reactions on metallic nanoparticles – ligand adsorption, metal release and reactive oxygen species generation", Dec. 19, 2022

X. Wang, Doctoral Thesis, "Bioaccessibility, corrosion and surface properties of metals, alloys and metallic powder in biological fluids of relevance for occupational and consumer health hazard assessment", Dec. 13, 2021

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

S. Pradhan, Licentiate Thesis, "Surface reactivity, stability, and mobility of metal nanoparticles in aqueous solutions -Influence of natural organic matter and implications of particle dispersion preparation, Sep. 21, 2017

S. Skoglund, Doctoral Thesis, "Surface reactivity of metal nanoparticles – importance of surface active agents and biomolecules from a transformation, mobility and toxicity perspective, Feb. 2, 2017

N. Mazinanian, Doctoral Thesis, "Metal release and corrosion of stainless steel in simulated food contact", Sep. 22, 2016

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.

Y. Hedberg, Doctoral Thesis, "Stainless Steel in Biological Environments – Relation between Material Characteristics, Surface Chemistry and Toxicity", Dec 14, 2012.
(receiver of the ECS Morris Cohen Award 2014, established by the Electrochemical Society, US, for the best doctoral thesis in corrosion science world-wide) and the AkzoNobel Nordic award for surface and colloid chemistry 2014 due to accomplishments during PhD-project).

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.

K. Midander, Doctoral Thesis, "Metal particles – hazard or risk? Elaboration and implementation of a research strategy from a surface and corrosion perspective", Dec. 14, 2009.

G. Herting, Doctoral Thesis, "Bioaccessibility of Stainless Steels– Importance of Bulk and Surface Features", June 3, 2008.

K. Midander, Licentiate Thesis (co-supervisor), "Metal release from powder particles in synthetic biological media", May 31, 2006.

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.

G. Herting, Licentiate Thesis, "Metal release from stainless steels and the pure metals in different media", Dec. 16, 2004.

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.

Co-supervisor of the following PhD theses (7)

N. Alinejadian, Doctoral thesis, "Additive manufacturing of Mo-Mo(x)S(Z-1) functional structures: engineering and electrochemical applications, Taltech, Estonia, June 19, 2022

S. McCarrick, Doctoral thesis- KI (Karolinska Instiutet), "Exploring toxicity and fate of metal-based particles in the lung – from mechanistic screening to lung deposition modelling., ISBN 978-91-8016-662-1, June 17, 2022

N. Fuertes, Doctoral thesis, "Use of localized techniques to elucidate the influence of process variables on the corrosion of stainless steel", ISBN 978-91-7873-991-2, Nov. 12, 2021

N. Mei, Doctoral thesis, "Transformation/dissolution characteristics of cobalt and welding fume nanoparticles in physiological and environmental media: surface interactions and trophic transfer", Nov 4, 2020

A. Gliga, Doctoral thesis-KI (Karolinska Institutet), "Nanotoxicology on the Right Track: Focus on Metal and Metal Oxide Nanoparticles", Nov 4, 2016

X. Wang, Doctoral thesis, "Protein Interactions with Metal Surfaces - Adsorption and Metal Release", April 21, 2015

P. Qiu, Doctoral thesis, "Quantified In Situ Analysis of Initial Atmospheric Corrosion : Surface heterogeneity, galvanic effects and corrosion product distribution on zinc, brass and Galvalume", June 14, 2011

2) Selected conferences (2002-2023)

1. *Effect of blue light irradiation on atmospheric corrosion and bacterial adhesion on copper*, T. Chang, C. Leygraf, I. Odnevall, **Eurocorr2023**, Brussels, Aug. 2023
2. *Formation and failure mechanisms of the transpassive film of laser additive manufacturing Inconel 718 during electrochemical machining*, Pengfei Guo, Inger Odnevall, **Eurocorr2023**, Brussels, Aug. 2023
3. *Health and corrosion aspects of alloy powders used in powder bed fusion additive manufacturing*, X. Wang, N.V. Srikanth Vallabani, H.L. Karlsson, I. Odnevall, **Eurocorr2023**, Brussels, Aug. 2023,
4. *The surface chemistry of metallic materials governs their potency for adverse health and environmental effects*, I. Odnevall, Invited speaker, **Materials for a Sustainable World, KTH Materials Dialogue 2022**, June 14, 2022
(<https://www.kth.se/en/forskning/forskningsplattformar/material/materialplattformens/materials-for-a-sustainable-world-1.1162776>)
5. *Laboratory simulation of long-term outdoor exposures and zinc release of naturally and pre-patinated zinc sheet at atmospheric conditions*, G. Herting, V. Saarimaa, G. Heydari, A. Kaleva, P.-E. Sundell, I. Odnevall, **18th Nordic Corrosion Congress 2022**, Turku, Finland
6. *The interplay between atmospheric corrosion and antimicrobial functionality of Cu metal and a Cu-based alloy*, T. Chang, C. Leygraf, G. Herting, I. Odnevall, **18th Nordic Corrosion Congress 2022**, Turku, Finland

7. *The impact of atmospheric aerosol pollutants on the degradation of CIGS-based solar cells*, Adèle Debono, Shan-Ting Zhang, Noor Fikree, Inger Odnevall, Nathanaelle Schneider, Jean-Francois Guillemoles, Polina Volovitch, oral presentation, **8th World Conference on Photovoltaic Energy Conversion** in Milan, 26 – 30 September 2022.
8. *Health and safety aspects of metal powder based additive manufacturing*, Mellin, Pelle, Götelid, Sareh, Karlsson, Helen, Assenhöj, Maria, Almstrand, Ann-Charlotte, Karlsson, Hanna, Odnevall, Inger, Bredberg, Anna. **World PM2022 Congress & Exhibition** (2022)
9. *Adsorption of horseradish peroxidase on metallic nanoparticles – effects on reactive oxygen species detection using 2'-7'-dichlorofluorescein diacetate*, A. Kessler, J. Hedberg, E. Blomberg, I. Odnevall, poster P23-06, P23 Risk prediction and assessment /risk assessment using new approach methodologies., **EUROTOX 2021**, virtual congress, 27 Sept. – 1 Oct. 2021
10. *New weldable 316L stainless flux-cored wire with reduced Cr(VI) fume emissions*, E.M. Westin, S. McCarrick, Z. Wei, V. Romanovski, R. Wagner, K.-A. Persson, K. Trydell, I. Odnevall, H.L. Karlsson, Y.S. Hedberg, **International welding commission, IIW Annual Assembly, joint meeting Commission II and VIII, IIW Doc. VIII-2319-2021, IIW Doc. II-2179-2021**, Sept. 2021
11. *The interplay between bacteria, biomolecules and metallic surfaces*, Inger Odnevall invited speaker, **NanoMed North Focus Seminar**, June 10, 2021
12. *Material-and surface characteristics, reactivity, degradation stability and toxicity of metallic powder particles*, I. Odnevall, Invited speaker, R&D project Health and Environmental Aspects of Additive Manufacturing and Challenges for a Sustainable Product 2 (HÅMAT2), **Sandvik Additive Manufacturing**, June 4, 2021
13. *The interplay between atmospheric corrosion and antimicrobial properties of copper and copper-based alloys used for indoor high touch applications*, I. Odnevall, Invited speaker, **1st Corrosion and Materials Degradation Web Conference**, May 18, 2021 (https://cmdwc2021.sciforum.net/#detailed_program), https://www.youtube.com/watch?v=XD_zULEXFz4
14. *Corrosion of metallic surfaces from an environmental and health perspective – a selection of on-going activities*, I. Odnevall, invited speaker, **Corrosion Awareness day**, Swerim, on-line, April 23, 2021
15. *Effect of aging and climate conditions on the antimicrobial efficacy of metallic high-touch surfaces – examples for Cu metal and a Cu-based alloy*, I. Odnevall, invited speaker, **Sisäympäristöjen hygieeninen turvallisuus -seminaari**, On-line, April 22, 2021
16. *The interplay between atmospheric corrosion and antimicrobial functionality of golden alloy (Cu5Zn5Al1Sn) and Cu metal*, T. Chang, C. Leygraf, G. Herting, E. Blomberg, I. Odnevall Wallinder, **Eurocorr** 2021
17. *A comparison of in vitro toxicity and inflammation from stainless steel welding fume particles generated with standard versus Cr(VI)-reduced flux cored wires – the impact of released metals*, S. McCarrick, V. Romanovski, Z. Wei, E.M. Westin, K.-A. Persson, K. Trydell, R. Wagner, I. Odnevall, Y.S. Hedberg, H.L. Karlsson, **Eurotox**, 2021
18. *Al₂O₃ barrier film by atomic layer deposition: is it an effective encapsulation layer for flexible Cu(In,Ga)Se₂ solar cell under “realistic” operating condition?*, Shan-Ting Zhang, Maxim Guc, Oliver Salomon, Roland Wuerz, Alina Maltseva, Gunilla Herting, Inger Odnevall Wallinder, Victor Izquierdo-Roca, Polina Volovitch, Thibaud Hildebrandt, Nathanaelle Schneider, Virtual Chalcogenide PV Conference (vCPVC 2020) from 25th to 28th May 2020.
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- 1 Chapter 18 in: "Corrosion challenges towards a sustainable society", R. Bender, D. Féron, D. Mills, S. Ritter, Materials and Corrosion, 1-21, <https://doi.org/10.1002/maco.202213140> (2022)
- 2 Atmospheric Corrosion, 2nd edition, C. Leygraf, I. Odnevall Wallinder, J. Tidblad, T.E. Graedel, John Wiley & Sons (June 2016)
- 3 Contributed with data and figures in Outokumpu Corrosion Handbook, 11th Edition, 2015.
- 4 Odnevall Wallinder, I., Herting, G. (2010) Chapter on alloys, HERAG (Health Risk Assessment Guidance for Metals) Document, Invitation from EuroMetaux, Eurofer (European Confederation of Iron and Steel Industries) and ICMM (International Council of Mining and Metals)
- 5 Establishment of the ISO 17752:2012 standard: Corrosion of metals and alloys — Procedures to determine and estimate runoff rates of metals from materials as a result of atmospheric corrosion, ISO (2012)
- 6 Providing the underlying data set for the establishment of the ISO 21207 International standard, Corrosion tests in artificial atmospheres — Accelerated corrosion, tests involving alternate exposure to corrosion-promoting gases, neutral salt-spray and drying (2004-06-01)
- 7 Release of chromium, nickel and iron from stainless steel exposed under atmospheric conditions and the environmental interaction of these metals. A combined field and laboratory investigation, D. Berggren, S. Bertling, D. Heijerick, G. Herting, P. Koundakjian, C. Leygraf, I. Odnevall Wallinder, European Confederation of Iron and Steel Industries (Eurofer) Report, Oct. 2004 (http://www.edelstahl-rostoffrei.de/downloads/iser/ReleaseCrNiFeStSt_EN.pdf)

Popular science papers, presentations, impact (2002-2022)

1. **Bevegonytt:** <https://www.bevego.se/bevegonytt/professor-i-korrosionsvetenskap-tryggt-att-anvanda-plat>, Jan 2024

2. **Video-** Svensk Byggplåt: <https://www.svenskbyggplat.se/wp-content/uploads/2023/11/Svensk-Byggpla%CC%8At-Intervju-Inger-Odnevall-720p.mp4>
3. *Invited presentation*, I. Odnevall, NorDoc Summer School 2023, Antibiotics according to a new generation: Uppsala & Stockholm, 16–18 August 2023, <https://www.medfarm.uu.se/admissions/research-schools/nordoc-en/>
4. *Corrosion and surface-chemistry studies of metallic surfaces connected to health and environmental aspects – a selection of ongoing interdisciplinary activities*, Invited presentation, I. Odnevall, at École nationale supérieure de chimie de Paris, France, May 25, 2022
5. *Atmospheric corrosion of metallic surfaces at outdoor conditions*, Invited presentation, I. Odnevall, L’Institut Photovoltaïque d’Île-de-France, Paliseau, France, May 24, 2022
6. *Health and Environmental Aspects of Metal Powder Based Additive Manufacturing (AM)*, Sareh Götelid, Pelle Mellin, Yolanda Hedberg, Ann-Charlotte Almstrand, Benny Lyvén, Hanna Karlsson, Helen Karlsson, Eva Särndal, Inger Odnevall Wallinder, Maria Assenhøj, Anna Bredberg, Amine Yousfi, Markus Uhlirsch, 5th ESTAD (European Steel Technology and Application Days), Stockholm, Sweden, Aug 30 – Sept. 2 2021
7. Korrosion och ytkemi-studier av metalliska material kopplat till hälso och miljöeffekter – ett axplock av pågående tvärvetenskapliga aktiviteter”. I. Odnevall, Occupational and Environmental Medicine, Linköping University Hospital, 4 mars, 2021
8. Forskning om skadliga metaller i svetsrök. Nya rörelektroder avger mindre sexvärt krom, Y. Hedberg, H L. Karlsson, R. A. Wagner, P. Bengtsson, I. Odnevall Wallinder, K.-A. Persson, K. Trydell, E. Westin, M. Lundin, **Svetsen** 3, 2020
9. Interview_MistraEnvironmentalNanosafety_I_OdnevallWallinder: <https://www.mistraenvironmentalnanosafety.org/news/25-years-of-research-on-nanosafety-and-the-impact-of-small-tiny-particles-on-nature>
10. IHMEC – project: <https://www.linkedin.com/posts/ihmec-coronavirus-indoorhygiene-infectionprevention-activity-6638359612179521536-v2iz>
11. Women in Corrosion - <https://corrosionjournal.org/page/womenincorrosion>
12. N. Mei, E. Blomberg, J. Hedberg, I. Odnevall Wallinder, The interplay between biomolecules and reactive metallic surfaces, Pitch poster, **Swetox Academy Workshop**, Aug 21.-22, 2018.
13. Corrosion and metal runoff from outdoor surfaces, I. Odnevall Wallinder, invited speaker, **Plåt 2018**, <https://plat18.se/plat18-2/>, Slagthuset, Malmö, Sweden, March 8, 2018
14. *Corrosion and surface reactivity of metallic surfaces at food-relevant conditions*, Seminar on Health, food, and the biotechnology between them, Technion-Sweden, **Swedish Technion Society**, Feb. 12, 2018
15. *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
16. *Pilotstudie: sexvärt krom*, Y. Hedberg, K.-A. Persson, I. Odnevall Wallinder, **Svetsen** 2017, 2, 35
17. *Metalliska (nano)partiklar i vår miljö*, Presentation för studenter från Åva Gymnasium (rekryteringsaktivitet), Nov 8, 2016
18. *Metal surfaces and bioelution – the KTH approach*, I. Odnevall Wallinder and G. Herting, Invited speaker, **8th International meeting of the Task Force on Exposure Assessment**, OECS, Dortmund, Sep. 1, 2016
19. *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)
20. *Compliance tests of stainless steel as a food contact material using the CoE test guideline*, Y. Hedberg, N. Mazinianian, I. Odnevall Wallinder, Technical report for webpage publication, <https://www.edelstahl-rostfrei.de/downloads/iser/Food-Contact-KTH-report-EN.pdf>, commissioned by **Team Stainless**, Dec. (2014).
21. *Stainless steel in food contact - How does citric acid interact with the surface?* N. Mazinianian, I. Odnevall Wallinder, Y. Hedberg, Poster presentation at the **Symposium on surface and materials chemistry, Realizing reformulation**, Oct. 22-24, 2014, Lund, Sweden. Poster available as pdf on:

- https://www.researchgate.net/profile/Yolanda_Hedberg/publication/268279489_STAINLESS_STEEL_IN_FOOD_CONTACT_-_How_does_citric_acid_interact_with_the_surface/links/5467c5540cf2f5eb18036e61.pdf
22. *Micelle clusters of surfactant stabilise silver nanoparticles in solution*, S. Skoglund, E. Blomberg, J. Hedberg, I. Odnevall Wallinder, M. Bergström, 13th Nordic workshop on Scattering from Soft Matter, Ångströmlaboratoriet, Uppsala University, Jan 20-21, 2016
 23. *Safe Food Preparation Using Stainless Steel*, [http://www.worldstainless.org/Files/issf/non-image-files/PDF/KTH/Safe Food Preparation Using Stainless Steel.pdf](http://www.worldstainless.org/Files/issf/non-image-files/PDF/KTH/Safe_Food_Preparation_Using_Stainless_Steel.pdf)
 24. *Smarta materialval till nytta för miljön*, I. Odnevall Wallinder, inbjuden talare, **KTH-Sustainability Research Day**, 21 Okt. 2015
 25. *Rosttröga stål- korrosionsaspekter*, G. Herting, I. Odnevall Wallinder, **NYHETER OM STÅLBYGGNAD**, Fokus Arkitekter, Nr.2, 33-34, 2015
 26. *Compliance tests or stainless steel as a food contact material using the CoE test guideline*, Y. Hedberg, N. Mazinianian, I. Odnevall Wallinder, **International Stainless Steel Forum, ISSF, internal webpage**, 2015
 27. *Surface properties of metal particles*, **Key note speaker**, I. Odnevall Wallinder, **Höganäs Powder Symposium**, Örenäs Slott, Nov 17-18, 2014
 28. *Chromium allergy due to contact with leather: mechanisms and recommendations for prevention*, poster, Y. Hedberg, I. Odnevall Wallinder, C. Lidén, **Forste Talks**, Nacka, Stockholm, 2014
 29. *Metaller, miljö och myter*: Invited lecturer at the Norwegian conference for 350 architects and building constructors, **Metall 13**, Oslo, Nov 6, 2013
 30. *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
 31. *Spridning av metaller och nanopartiklar från utomhuskonstruktioner och konsumentprodukter*, Presentation, **Fredagsforum – Länsstyrelsen**, Stockholm, 8 dec., 2012
 32. *Vackra, hållbara och miljövänliga metaller*, Intervju och artikel, **Plåt & Vent**, 2, 24-27, 2012
 33. *Vad tar den koppar som frigörs från kopparkoppar vägen?*, G. Herting, I. Odnevall Wallinder, **Bygg och Teknik**, 4, 46-48 (2012).
 34. *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
 35. *Metaller, miljö och myter*: Invited lecturer at the national conference for 350 architects and building constructors, **PLÅT 12**, Malmö Högskola, Malmö, Feb. 2, 2012
 36. *Copper architecture and the environment*, Interview of Prof. Odnevall Wallinder by Chris Hodson, **Copper Architecture Forum**, 31, 32-33, 2011
 37. *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
 38. *Korrosion, Myter och Miljö*, Invited lecturer at the national conference for 350 architects and building constructors, **PLÅT 11**, Stockholm Water Front, Feb. 3, 2011
 39. *Health effects of metal particles – research at the Stockholm Particle group, KTH*, Oral presentation at YKI in connection to "Integrating Nanomaterials in Formulations" – NanoFormulation 2010, June 9, 2010
 40. *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)
 41. *Vad tar den koppar som frigörs från kopparkoppar vägen?*, I. Odnevall Wallinder, Y. Ullmann, P. Dromberg, **Bygg och Teknik**, 4/09, 28, (2009).
 42. *Metals and alloys in external constructions – environmental interactions*, Nacka Kommun, March 27, 2009

43. 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
44. Corrosion- not only a material-related topic, Open lecture, Seminar Series: Chemical Science and Engineering, Jan 30, 2009
45. Varmförzinkat stål i samhället, I. Odnevall Wallinder, D. Lindström, G. Herting, C. Leygraf, **Bygg och Teknik**, Maj, 2008
46. Varmförzinkat stål i samhället, A. Hirn, I. Odnevall Wallinder, **Ytforum**, 3, 17, 2008
47. Bioaccessibility and surface reactivity of nano- and micron-sized particles, Course on "the health risk assessment of metals, their alloys and compounds under REACH, Finnish Institute of Occupational Health, Helsinki, Sept. 29, 2008
48. Metal release from particles and potential health effects, Open lecture, Royal Institute of Technology, April 23, 2008
49. 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
50. Modelling of copper flows into soil and water, Meeting of the Roofing Environmental Affairs task force-European copper institute, Budapest, June 4, 2007
51. Metallutlösning från rena metaller och legeringar, Seminarium om materialkompetens inom medicinsk teknik, KorrosionsCentrum, KIMAB/ KTH, March 8, 2007.
52. Passive films on stainless steel – recent nano-range research, C. Olsson, G. Herting, I. Odnevall Wallinder, **Acom** (Outokumpu's Scientific magazine about Stainless), 2, 15, 2006
53. Vilken inverkan på miljön har metallavrinning från utomhuskonstruktioner, Sunda Hus, Miljöarbete i praktiken, Tyrénshuset, Stockholm, Nov. 22, 2006.
54. 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
55. 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
56. 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
57. Corrosion-Induced Metal Release from Metals and Alloys, Workshop on an Assessment Methodology for Preparations and Special Preparations, Hotel Metropole, Brussels, Oct. 10-11, 2006.
58. Corrosion-induced copper runoff from building materials, Meeting of the Roofing Environmental Affairs task force – European Copper in Architecture Campaign, European Copper Institute, Barcelona, Spain, June 28, 2006
59. Nygamal nanoteknik-passivfilmer på rostfria stål, C. Olsson, G. Herting, I. Odnevall Wallinder, **Bergsmannen** 6, 16-17, 2005
60. 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
61. 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
62. Kupfer- und Zinkabschwemmungen von Metaldächern, I. Odnevall Wallinder, S. Bertling, and C. Leygraf, **Wasser- /Abwassertechnik**, 1-2, 2005
63. Frigörelse av koppar och zink från byggnadsmaterial och växelverkan med omgivande miljö, I. Odnevall Wallinder, S. Bertling, C. Leygraf, **Bygg & Teknik**, 4, 2005

64. Modelling of copper flows into soil and water, Meeting of the Roofing Environmental Affairs task force-European copper institute, Luxemburg, June 27, 2005
65. Release of chromium, nickel and iron from pure samples of the metals and 304 and 316 stainless steel induced by atmospheric corrosion. A combined field and laboratory study, I. Odnevall Wallinder, S. Bertling, G. Herting and C. Leygraf, **ACOM** (A corrosion management and applications engineering magazine from Outokumpu Stainless), 2, 2004
66. Kan miljöeffekter påvisas från utomhuskonstruktioner i rostfritt stål?, I. Odnevall Wallinder, S. Bertling, C. Leygraf, **Bygg & Teknik**, 2004
67. Environmental interaction of copper runoff from external structures, Meeting of the Roofing Environmental Affairs task force - European copper institute, Edinburgh, UK, June 8, 2004
68. Påverkar metaller i utomhuskonstruktioner vår miljö, Stål 2004, Borlänge, May 7, Swedish Steel Association, 2004
69. Vad sker med koppar i avrinningsvatten i kontakt med miljö?, I. Odnevall Wallinder and S. Bertling, **Kopparforum** no 15, 2003
70. Korrosion och avrinning av zink från takmaterial, I. Odnevall Wallinder, S. Bertling, C. Leygraf, **Bygg & Teknik**, 2/03, 2003
71. Environmental aspects of metal runoff from external surfaces, Committee of European Environmental Engineering Societies, Technical Advisory Board on Climatic and Atmospheric Pollution Effects on Materials and Equipment, Helsinki, Sept. 18, 2003
72. Environmental aspects of copper runoff, Meeting of the Roofing Environmental Affairs task force - European copper institute, Athens, Greece, June 3, 2003
73. Miljöaspekter vid avrinning från tak, S. Bertling, I. Odnevall Wallinder and C. Leygraf, **Stålbyggnad**, ISBN 91 7127 033 7, 2002
74. Miljöaspekter av metallavrinning från taktytor av zink och rostfritt stål, Stål 2002, Berns Salonger, 16 maj, 2002 "Environmental effects of metals induced by atmospheric corrosion", Symposium on Nanostructured Materials – focusing on contributions by Women in Materials Science, KTH-175 years, KTH, April 11, 2002

Conferences (selected 2002-)

1. C. Isaxon, M. Ekvall, L-A. Hansson, F. Ståbile, I. Odnevall, J. Sturve, J. Rissler, *Electric waste recycling PM1 emissions: characteristics and environmental toxicity*, **EAC 2023**, European Aerosol Science Conference 2023 - Malaga, Spain, 2-8 Sep, 2023
2. N. Mei, J. Hedberg, E. Blomberg, I. Odnevall Wallinder, *Transformation/dissolution of cobalt nanoparticles in biological media – effects of adsorbed biocoronas of amino acids, polypeptides or proteins*, Poster **SETAC Europe 29th Annual Meeting** in Helsinki, Finland, 26 - 30 May, 2019
3. J. Hedberg, K. Fransson, S. Prideaux, S. Roos, C. Jönsson, I. Odnevall Wallinder, *Improving the life cycle impact assessment of metals in slags: importance of chromium speciation, water chemistry, and metal release*, Poster, **SETAC Europe 29th Annual Meeting** in Helsinki, Finland, 26 - 30 May, 2019
4. I. Odnevall Wallinder, invited speaker, *Finding linkages between toxicity and surface reactivity of metallic (nano)particles*, **Mistra Environmental Nanosafety Conference**, Nov. 13-15, 2018
5. J. Hedberg, Y. Hedberg, N. Mei, E. Blomberg, I. Odnevall Wallinder, *Influence of electrochemical properties and surface interactions with natural organic matter on environmental fate of a range of metal nanoparticles*, **NanoSafe 2018**, 6th International Conference on health and safety issues related to nanomaterials for a socially responsible approach, Nov 5-9, Grenoble, 2018
6. C. Leygraf, T. Chang, I. Odnevall Wallinder, D. de la Fuente, B. Chico, I. Diaz, M. Morcillo, *Analysis of historic copper patinas 1: Influence of substrate on patina uniformity*, **EUROCORR 2017**, 20th ICC & Process Safety Congress, Prague, the Czech Republic, Sep. 3-7, 2017
7. B. Chico, D. de la Fuente, J. A. Jiménez, T. Chang, I. Odnevall Wallinder, C. Leygraf, M. Morcillo, *Analysis of historic copper patinas 2: characterization of 400 year old patina from Royal Summer Palace in Prague*, **EUROCORR 2017**, 20th ICC & Process Safety Congress, Prague, the Czech Republic, Sep. 3-7, 2017
8. Tingru Chang, Ying Jin, Christofer Leygraf, Inger Odnevall Wallinder, *Exploration of microstructure and surface composition on corrosion initiation of a Cu-Al-Zn alloy*, **EUROCORR 2016**, Montpellier, France, Sept 11-15, 2016
9. X. Zhang, I. Odnevall Wallinder and C. Leygraf, *A fundamental study of the protective role of hydrozincite formed on brass in chloride-containing atmospheres*, **EUROCORR 2015**, Graz, Austria, Sept 6-10, 2015

10. J. Hedberg, H.L. Karlsson, Y. Hedberg, F. Cappelini, E. Blomberg, I. Odnevall Wallinder, *The importance of chemical speciation, surface properties and corrosion of copper, manganese and aluminum metal nanoparticles on lung cell toxicity*, International Conference on the Environmental Effects of Nanoparticles and Nanomaterials, Vienna, Austria, Sept. 2015
11. Y. Rodhe, S. Skoglund, I. Odnevall-Wallinder, Z. Potacova, and L. Möller, *Toxicity of metal nanoparticles, focusing on copper-based nanoparticles*, Poster, NANOTOX 2014, 7th International Nanotoxicology Congress" April 23-26, Antalya, Turkey, 2014
12. S. Roos, C. Jönsson, J. Hedberg, C. Kaplin, I. Odnevall Wallinder, "Integrating real metal runoff data to the life cycle assessment of alloys", SETAC Europe 25th Annual Meeting, Barcelona, Spain, 3-7 May, 2015
13. A. Mörsdorf, I. Odnevall Wallinder, Y. Hedberg, 'Bioaccessibility of micron-sized powder particles of molybdenum metal, molybdenum oxides and ferromolybdenum – Importance of surface oxides', poster presentation at the annual meeting of GfKORR, 4-5 November 2014, Frankfurt, Germany.
14. N. Mazinanian, I. Odnevall Wallinder, Y. Hedberg, 'Influence of citric acid on the metal release of stainless steels', proceedings and oral presentation (N. Mazinanian) at the 19th International Corrosion Congress, 2-6 November, 2014, Jeju, Korea.
15. Y. Hedberg, H.L. Karlsson, J. Hedberg, E. Blomberg, I. Odnevall Wallinder, 'Interactions between nanoparticles and biosystems and their importance for toxicity', invited oral presentation at the symposium on surface and materials chemistry, Realizing reformulation, 22-24 October, 2014, Lund, Sweden.
16. "Understanding chromium release from leather that causes contact dermatitis", Y. Hedberg, I. Odnevall Wallinder, C. Lidén, Poster, 12th Congress of the European Society of Contact Dermatitis Barcelona, 25-28 June 2014
17. *Release and stability of aluminum metal nanoparticles in surface water – effects of particle loading*, E.N. Yunda, G. Herting, I. Odnevall Wallinder, A. Yu. Godymchuk, XI International Conference of Students and Young Scientists "Prospects of Fundamental Sciences Development" Russia, Tomsk, 22d–25th April 2014
18. "Mechanistic studies of corrosion product flaking on copper and copper-based alloys in marine environments", Oral presentation, X. Zhang, C. Leygraf, I. Odnevall Wallinder, 224th Electrochemical Society Meeting, San Francisco, US, Oct. 30, 2013
19. "Dissolution of nanoparticles of Zn metal and ZnO in synthetic alveolar fluid", E Yunda, I Odnevall Wallinder, A Godymchuk, D. Kuznetsov, 2nd QNano Integrating Conference "Quality in nanosafety assessment " driving best practice and innovation#, Feb. 27 – March 1 2013, IMG Conference Centre, Prague, Czech Republic
20. "The fate of silver nanoparticles in municipal wastewater treatment plants" J. Hedberg, I. Odnevall Wallinder, G. Herting, C. Baresela, Nordiwa 2013, 13th Nordic Waste Water Conference, Oct. 8-10, 2013
21. "Mechanistic studies of corrosion product flaking on copper and copper-based alloys in marine environments", X. Zhang, S. Goidanich, C. Leygraf, I. Odnevall Wallinder, 224th ECS Meeting, San Francisco, CA, USA – October 27-November 1, 2013
22. "Surface characteristics, material chemistry and toxicity - in-depth studies on stainless steel in human contact.", Invited plenary speaker, I. Odnevall Wallinder, Materials for Tomorrow, Chalmers annual conference & division of surface chemistry and materials chemistry annual symposium, Gothenburg, Sweden, 23-25 Oct. 2012
23. "Metal release from building materials and its influence on the environment", Invited plenary speaker, I. Odnevall Wallinder, Swerea KIMAB Open House and Inauguration, Electrum, Kista, Oct 23, 2012
24. "Relevance of in vitro studies for in vivo inhalation toxicity of stainless steel powder", POSTER, Y. Hedberg, H. Stockmann-Juvala, N. K. Dhinsac, D. R. Griffiths, A. Zitting, T. Santonen, I. Odnevall Wallinder, Eurotox 2012 Congress of the European Societies of Toxicology, June 17-20, 2012
25. "Interactions of different proteins with metal surfaces", Y. Hedberg, M. Lundin, M. Killian, E. Blomberg, S. Virtanen, I. Odnevall Wallinder. Keystone symposia on Molecular and Cellular Biology Proteomics, Interactomes (F2), Stockholm, May 7-12, 2012
26. "Hemolysis of silica particles: importance of surface properties and plasma corona", J. Shi, Y. Hedberg, M. Lundin, I. Odnevall Wallinder, H.L. Karlsson, L. Möller, Eurotox 2012 Congress of the European Societies of Toxicology, June 17-20, 2012
27. "Cellular dose and toxicity of Ag and CuO nanoparticles: the importance of a Trojan horse type mechanism", H.L. Karlsson, P. Cronholm, I. Odnevall Wallinder, L. Möller, Poster –Society of Toxicology's 51st Annual Meeting and ToxExpo, March 11–15, 2012, San Francisco, California
28. "Nanoparticles and oxidative DNA damage – Trojan horses and assay interactions", H.L. Karlsson, P. Cronholm, J. Kain, T. Lowe, I. Odnevall Wallinder, L. Möller, UKEMS / Dutch EMS-sponsored Workshop on Biomarker of Exposure and Oxidative DNA Damage & 7th GUM 32P-Postlabelling Workshop, Munster, March 28–29, 2011

29. "Size-dependent toxicity of metal oxide particles", HL Karlsson, P Cronholm, J Gustafsson, K Elihn, K Midander, I Odnevall Wallinder, L Möller, 2nd Nobel Forum Mini-symposium on Nanotoxicology, KI, Oct 23, 2010
30. "Use of read-across in the health risk assessment of ferrochromium alloys under REACH", T. Santonen, H. Stockmann-Juvala, I. Odnevall Wallinder, G. Darrie, A. Zitting, The 12th international ferro alloy congress (INFACON XII), Sustainable future, June 6-9, 2010
31. "Bioaccessibility of ferro-chromium and ferro-silicon-chromium particles compared to pure metals and stainless steel – aspects of human exposure", K. Midander, A. de Frutos, G. Darrie, I. Odnevall Wallinder, The 12th international ferro alloy congress (INFACON XII), Sustainable future, June 6-9, 2010
32. "Metal release from iron- and chromium-based particles in artificial sweat and artificial tear fluid", Y. Ullmann, K. Midander, I. Odnevall Wallinder, 5th Kurt Schwabe Symposium in Electrochemistry, University of Erlangen-Nurnberg, Erlangen, Germany, May 24-28, 2009
33. "Zinc released from roofing materials and its environmental interaction. Results from a 10-year field exposure in Stockholm", I. Odnevall Wallinder and D. Lindström, 12th EuCheMS International Conference on Chemistry and the Environment, June 14-17, Stockholm, 2009
34. "Copper-based alloys in outdoor applications – aspects on patina growth, composition and dissolution at different urban and marine sites in Europe", S. Goidanich, D. Lindström, M.A. Arenas, J.de Damborenea, J.M. Sanchez Amaya, F.J. Botana, N. Le Bozez, I. Odnevall Wallinder, 12th EuCheMS International Conference on Chemistry and the Environment, June 14-17, Stockholm, 2009
35. "Toxicity induced by nano- and micrometer-sized copper and copper(II)oxide particles – an interdisciplinary study", P. Cronholm, K. Midander, H.L. Karlsson, L. Möller, C. Leygraf, I. Odnevall Wallinder, 4th International Conference on Nanotechnology, Occupational and environmental health, Aug 26-29, 2009
36. "Copper nanoparticles are highly cytotoxic and interact with hemoglobin", H.L. Karlsson, P. Cronholm, J. Gustafsson, K. Midander, I. Odnevall Wallinder, L. Möller, 4th International Conference on Nanotechnology, Occupational and environmental health, Aug 26-29, 2009
37. "An interdisciplinary study of nano- and micron sized metal particles, their surface properties, metal release and ability to induce toxicity", K. Midander, P.Cronholm, H.Karlsson, K. Elihn, L. Möller, C. Leygraf, I. Odnevall Wallinder, Surface and Colloid Science for Advanced Materials – 8th Annual Surface and Colloid Symposium" Lund, 19-21 Nov., 2008
38. "Long-term barrier effects of Cr(III) and Cr(VI) treated zinc surfaces from a metal runoff perspective", I. Odnevall Wallinder, D. Lindström, Proc. European General Galvanizers Association, Assembly meeting, Copenhagen, Denmark, June 10, 2008
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