

## PUBLICATIONS 2023

1. N. Chaabene, K. Ngo, M. Turmine, V. Vivier, “*Ionic liquid redox flow membraneless battery in microfluidic system*”, J. of Energy Storage, **57** (2023) 106270 ([10.1016/j.est.2022.106270](https://doi.org/10.1016/j.est.2022.106270)) ([hal-03920525](https://hal.archives-ouvertes.fr/hal-03920525))
2. O. Alrehaili, A.S. Fajardo, S. Garcia-Segura, P. Westerhoff, “*Microfluidic flow-by reactors minimize energy requirements of electrochemical water treatment without adding supporting electrolytes*”, Separation and Purification Technology, **310** (2023) 123123 ([10.1016/j.seppur.2023.123123](https://doi.org/10.1016/j.seppur.2023.123123)) ([hal-03941164](https://hal.archives-ouvertes.fr/hal-03941164))
3. A.Y. Gerard, E.J. Kautz, D.K. Schreiber, J. Han, S. McDonnell, K. Ogle, P. Lu, J.E. Saal, G.S. Frankel, J.R. Scully, “*The role of chromium content in aqueous passivation of a non-equiatomic  $Ni_{38}Fe_{20}Cr_xMn_{21-0.5x}Co_{21-0.5x}$  multi principal element alloy ( $x = 22, 14, 10, 6$  at%) in acidic chloride solution*”, Acta Materialia, **245** (2023) 118607 ([10.1016/j.actamat.2022.118607](https://doi.org/10.1016/j.actamat.2022.118607)) ([hal-03920477](https://hal.archives-ouvertes.fr/hal-03920477))
4. A. Asserghine, S. Juillard, J. Ducrot, V. Vivier, C.M. Sánchez-Sánchez, “*Oxygen reduction reaction monitored during corrosion by means of pumped-micropipette delivery/substrate collection (Pumped-MD/SC) mode of scanning electrochemical microscopy*”, Electrochim. Acta, **441** (2023) 141775 ([10.1016/j.electacta.2022.141775](https://doi.org/10.1016/j.electacta.2022.141775)) ([hal-03934097](https://hal.archives-ouvertes.fr/hal-03934097))
5. A.Z. Benbouzid, O. Gharbi, N. Sidi-Yakoub, M.T.T. Tran, M. Turmine, V. Vivier, “*Ionic liquid route for the corrosion inhibition of Al alloys : the effect of butylammonium nitrate on the corrosion of AA2024-T6*”, Corrosion Communications, **9** (2023) 57-64 ([10.1016/j.corcom.2022.11.001](https://doi.org/10.1016/j.corcom.2022.11.001)) ([hal-04274869v2](https://hal.archives-ouvertes.fr/hal-04274869v2))
6. N. Velasquez, O. Travnikova, R. Guillemin, I. Ismail, L. Journal, J.B. Martins, D. Kouliantanos, D. Céolin, L. Fillaud, M.L.M. Rocco, R. Püttner, M. Novella Piancastelli, M. Simon, S. Sheinerman, L. Gerchikov, T. Marchenko, “*Generalization of the post-collision interaction effect from gas-phase to solid-state systems demonstrated in thiophene and its polymers*”, Phys. Review Research, **5** (2023) 013048 ([10.1103/PhysRevResearch.5.013048](https://doi.org/10.1103/PhysRevResearch.5.013048)) ([hal-03969770](https://hal.archives-ouvertes.fr/hal-03969770))
7. L. Wang, H. Wang, A. Seyeux, S. Zanna, A. Pailleret, S. Nestic, P. Marcus, “*Adsorption mechanism of quaternary ammonium corrosion inhibitor on carbon steel surface using ToF-SIMS and XPS*”, Corrosion Science, **213** (2023) 110952 ([10.1016/j.corsci.2022.110952](https://doi.org/10.1016/j.corsci.2022.110952)) ([hal-03969214](https://hal.archives-ouvertes.fr/hal-03969214))
8. B. Dou, X. Li, J. Han, K. Ogle, “*Operando kinetics of hydrogen evolution and elemental dissolution. I. The dissolution of galvanized steel in hydrochloric acid*”, Corrosion Science, **214** (2023) 111007 ([10.1016/j.corsci.2023.111007](https://doi.org/10.1016/j.corsci.2023.111007)) ([hal-03969836](https://hal.archives-ouvertes.fr/hal-03969836))
9. K. Lutton, J. Han, H.M. Ha, D. Sur, E. Romanovskaia, J.R. Scully, “*Passivation of Ni-Cr and Ni-Cr-Mo alloys in low and high pH sulfate solutions*”, J. Electrochem. Soc., **170** (2023) 021507 ([10.1149/1945-7111/acb9c3](https://doi.org/10.1149/1945-7111/acb9c3)) ([hal-03988410](https://hal.archives-ouvertes.fr/hal-03988410))
10. S.B. Inman, D. Sur, J. Han, K. Ogle, J.R. Scully, “*Corrosion behavior of a compositionally complex alloy utilizing simultaneous Al, Cr, and Ti passivation*”, Corrosion Science, **217** (2023) 111138 ([10.1016/j.corsci.2023.111138](https://doi.org/10.1016/j.corsci.2023.111138)) ([hal-04051811](https://hal.archives-ouvertes.fr/hal-04051811))
11. B. Dou, X. Li, J. Han, N. Birbilis, K. Ogle, “*Operando kinetics of hydrogen evolution and elemental dissolution. II. A time resolved mass-charge balance during the anodic dissolution of magnesium with variable iron content*”, Corrosion Science, **217** (2023) 111095 ([10.1016/j.corsci.2023.111095](https://doi.org/10.1016/j.corsci.2023.111095)) ([hal-04048601](https://hal.archives-ouvertes.fr/hal-04048601))

12. J. Han, S. Neupane, L. Wang, A. Seyeux, L. Klein, S. Zanna, D. Mercier, V. Maurice, P. Marcus, “*Effect of surface preparation by high-temperature hydrogen annealing on the passivation of Ni-20 at.% Cr alloy in sulfuric acid*”, *Electrochim. Acta*, **454** (2023) 142403 [10.1016/j.electacta.2023.142403](https://doi.org/10.1016/j.electacta.2023.142403) [\(hal-04077410\)](#)
13. I. Nierengarten, U. Hahn, M. Holler, B. Delavaux-Nicot, E. Maisonhaute, J.F. Nierengarten, “*Pillar[5]arene-porphyrin conjugates : from molecular flowers to photoactive rotaxanes*”, *J. Porphyrins Phthalocyanines*, **27** (2023) 47-54 [10.1142/S1088424623500384](https://doi.org/10.1142/S1088424623500384) [\(hal-04087240\)](#)
14. W. Qafsaoui, A. Et Taouil, M.T.T. Tran, H. Cachet, S. Joiret, “*Effects of 1-pyrrolidinedithiocarbamate and 2,5-dimercapto-1,3,4-thiadiazole on lead corrosion behavior in chloride medium*”, *J. Electroanal. Chemistry*, **940** (2023) 117501 [10.1016/j.jelechem.2023.117501](https://doi.org/10.1016/j.jelechem.2023.117501) [\(hal-04088866\)](#)
15. G.A. Cerrón-Calle, A.S. Fajardo, J. Liu, C.M. Sánchez-Sánchez, S. Garcia-Segura, “*Enabling circular economy by N-recovery : electrocatalytic reduction of nitrate with cobalt hydroxide nanocomposites on copper foam treating low conductivity groundwater effluents*”, *Science of the Total Environment*, **887** (2023) 163938 [10.1016/j.scitotenv.2023.163938](https://doi.org/10.1016/j.scitotenv.2023.163938) [\(hal-04097760\)](#)
16. Y. Dandal, C. Bazin, F. Pillier, H. Cachet, A. Pailleret, “*Influence of chemical conversion parameters and resulting PbI<sub>2</sub> content on carrier density and morphology of the p-type electrodeposited hybrid perovskite CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub>*”, *Materials Chemistry and Physics*, **305** (2023) 127933 [10.1016/j.matchemphys.2023.127933](https://doi.org/10.1016/j.matchemphys.2023.127933) [\(hal-04104519\)](#)
17. A.S. Fajardo, P. Westerhoff, S. Garcia-Segura, C.M. Sánchez-Sánchez, “*Selectivity modulation during electrochemical reduction of nitrate by electrolyte engineering*”, *Separation and Purification Technology*, **321** (2023) 124233 [10.1016/j.seppur.2023.124233](https://doi.org/10.1016/j.seppur.2023.124233) [\(hal-04123784\)](#)
18. N. Chaabene, J. Zhang, M. Turmine, E. Kurchavova, V. Vivier, F. Cuevas, M. Mateos, M. Latroche, J. Monnier, “*Toward new proton exchange batteries based on ionic liquid electrolyte : metal hybride electrode / electrolyte coupling*”, *J. Power Sources*, **574** (2023) 233176 [10.1016/j.jpowsour.2023.233176](https://doi.org/10.1016/j.jpowsour.2023.233176) [\(hal-04129101\)](#)
19. C.Nkoua, J. Esvan, B. Tribollet, R. Basseguy, C. Blanc, “*Combined electrochemical impedance spectroscopy and Y-ray photoelectron spectroscopy analysis of the passive films formed on 5083 aluminium alloy*”, *Corrosion Science*, **221** (2023) 111337 [10.1016/J.CORSCI.2023.111337](https://doi.org/10.1016/J.CORSCI.2023.111337) [\(hal-04158262\)](#)
20. S. Ben Latifa, H. Cheap-Charpentier, H. Perrot, Y. Ben Amor, “*Effects of magnetic field on homogeneous and heterogeneous precipitation of calcium carbonate*”, *ChemElectroChem*, **10** (2023) e202300105 [10.1002/celec.202300105](https://doi.org/10.1002/celec.202300105) [\(hal-04160362\)](#)
21. A. Bouzina, R. Meng, C. Bazin, H. Perrot, O. Sel, C. Debiemme-Chouvy, “*Highly ordered graphene polydopamine composite allowing fast motion of cations : toward a high-performance microsupercapacitor*”, *Adv. Mater. Interfaces*, **10** (2023) 2300442 [10.1002/admi.202300442](https://doi.org/10.1002/admi.202300442) [\(hal-04193181\)](#)
22. B. Bin, M. Sultan, O. Gharbi, K. Ogle, J. Han, “*On-line Inductively coupled plasma-atomic emission spectroelectrochemistry ; real-time element-resolved electrochemistry*”, *Current Opinion in Electrochemistry*, **41** (2023) 101350 [10.1016/j.coelec.2023.101350](https://doi.org/10.1016/j.coelec.2023.101350) [\(hal-04211090\)](#)
23. C. Keller, “*Des nanofils de silicium pour les batteries de demain*”, *L’Actualité Chimique*, **488** (2023) 28-30 [\(hal-04245444\)](#)
24. E. Vichou, A. Perazio, Y. Adjiz, M. Gomez-Mingot, M.W. Schreiber, C.M. Sánchez-Sánchez, M. Fontecave, “*Tuning selectivity of acidic carbon dioxide electrolysis via surface*

- modification”, Chem. Mater., **35** (2023) 7060-7068 [10.1021/acs.chemmater.3c01326](https://doi.org/10.1021/acs.chemmater.3c01326) [hal-04246229](https://hal.archives-ouvertes.fr/hal-04246229)
25. F. Escobar-Teran, H. Perrot, O. Sel, “Carbon-based materials for energy storage devices : types and characterization techniques”, Physchem, **3** (2023) 355-384 [10.3390/physchem3030025](https://doi.org/10.3390/physchem3030025) [hal-04271389](https://hal.archives-ouvertes.fr/hal-04271389)
26. J.F. Silvain, D. Lincol Gifford, S. Fourcade, L. Cuzacq, J.L. Grosseau-Poussard, C. Debiemme-Chouvy, N. Tessier Doyen, Y. Lu, “Study on debinding and sintering conditions in extrusion-based additive manufacturing of 316L and 316L + Cu”, Metals, **13** (2023) 1858 [10.3390/met13111858](https://doi.org/10.3390/met13111858) [hal-04273517](https://hal.archives-ouvertes.fr/hal-04273517)
27. G. Barbillon, H. Cheap-Charpentier, “Advances in surface-enhanced Raman scattering sensors of pollutants in water treatment”, Nanomaterials, **13** (2023) 2417 [10.3390/nano13172417](https://doi.org/10.3390/nano13172417) [hal-04227994](https://hal.archives-ouvertes.fr/hal-04227994)
28. D. Peyret, D. Kaczorowski, M. Skocic, B. Tribollet, V. Vivier, “Electrochemical and modelling study of ZrNbO alloys aged under high temperature and high pressure PWR simulated conditions”, Corrosion Science, **224** (2023) 111505 [10.1016/j.corsci.2023.111505](https://doi.org/10.1016/j.corsci.2023.111505) [hal-04294174](https://hal.archives-ouvertes.fr/hal-04294174)
29. K. Chennit, N. Delavari, S. Mekhmoukhen, R. Boukraa, L. Fillaud, S. Zrig, N. Battaglini, B. Piro, V. Noël, I. Zozoulenko, G. Mattana, “Inkjet-printed, coplanar electrolyte-gated organic field-effect transistors on flexible substrates : fabrication, modeling, and applications in biodetection”, Adv. Mater. Technol., **8** (2023) 2200300 [10.1002/admt.202200300](https://doi.org/10.1002/admt.202200300) [hal-03820671](https://hal.archives-ouvertes.fr/hal-03820671)
30. K. Goloviznina, E. Bendadesse, O. Sel, J.M. Tarascon, M. Salanne, “Disclosing the interfacial electrolyte structure of Na-insertion electrode materials : origins of the desolvation phenomenon”, Appl. Mater. Interfaces, **15** (2023) 59380-59388 [10.1021/acsami.3c12815](https://doi.org/10.1021/acsami.3c12815) [hal-04390081](https://hal.archives-ouvertes.fr/hal-04390081)
31. E. Bendadesse, C. Gervillie-Mouravief, C. Leau, K. Goloviznina, F. Rabuel, M. Salanne, J.M. Tarascon, O. Sel, “Spotting interface structuring during Na-insertion into the NaSICON  $\text{Na}_3\text{V}_2(\text{PO}_4)_3$  by EQCM and operando fiber optic infrared spectroscopy”, Adv. Energy Mater., **13** (2023) 2300930 [10.1002/aenm.202300930](https://doi.org/10.1002/aenm.202300930) [hal-04214161](https://hal.archives-ouvertes.fr/hal-04214161)

#### **Publication Technique / Rapport d’Expertise**

32. L. Balan, M. Bertrand-Urbaniak, R. Bongiovanni, C. Debiemme-Chouvy, M.H. Delville, A. Dolbecq-Bastin, S. Foucaud, M. Girod, A. Abou-Hassan, D. Harakat, C. Innocent, E. Lacote, E. Leroy, P. Lesot, F. Maurel, C. Niebel, J.P. Pereira Ramos, C. Pigué, A. Rives, J.Y. Salpin, O. Sandre, V. Schanen, L. Stievano, P. Vicendo, “Conseil Scientifique de l’Institut de Chimie (CSI INC) – Mandature 2019-2023”, Rapport de Prospective – Conseil Scientifique d’Institut – CNRS (2023) [hal-04307872v2](https://hal.archives-ouvertes.fr/hal-04307872v2)
33. F. Feugeas, M. Jeannin, C. Lors, B. Tribollet, “Editorial du numéro thématique sur les avancées de la recherche française dans la biodétérioration des matériaux”, Matériaux & Techniques, **110** (2022) E1. SFC on-line 2023 [10.1051/mattech/2023007](https://doi.org/10.1051/mattech/2023007) [hal-04326771](https://hal.archives-ouvertes.fr/hal-04326771)

#### **Pré-publication, Document de travail**

1. O. Sadek, J. Rabah, D. Mercier, P. Marcus, C. Chauvier, F. Ribot, L. Fensterbank, E. Maisonhaute, “Tailored functional monolayers made from mesoionic carbenes”, Soumis à ChemRxiv, (2023) [10.26434/chemrxiv-2023-dcwqr](https://doi.org/10.26434/chemrxiv-2023-dcwqr) [hal-04250305](https://hal.archives-ouvertes.fr/hal-04250305)

## Chapitre d'Ouvrage

1. S. Bastide, R. Benyahia, L. Rebiai, K. Bah, D. Muller-Bouvet, E. Torralba, C. Cachet-Vivier, S. Akkari, C.M. Sánchez-Sánchez, G. Hopsort, K. Loubière, L. Latapie, K. Groenen Serrano, T. Tzedakis, M. Lopez-Viveros, S. Azimi, V. Rocher, “Valorisation électrochimique de l’azote et de l’hydrogène contenu dans l’urine”, Innover dans les pratiques d’exploitation et de maintenance pour l’assainissement de demain. Enseignements scientifiques et techniques de la phase II du programme Mocopée (2018-2022), Axe 4 (Chapitre 3), Editions Johanet (2023) pp256-267. ISBN : 979-10-91089-48-7 [\(hal-04298155\)](#)

## PUBLICATIONS 2024

1. S. Akkari, V. Vivier, C.M. Sánchez-Sánchez, “Urea electro-oxidation byproducts impact on NiO/NiOOH anode performance studied by operando electrochemical impedance spectroscopy”, *Electrochim. Acta*, **474** (2024) 143526 [\(10.1016/j.electacta.2023.143526\)](#) [\(hal-04298004\)](#)
2. S.B. Inman, J. Han, M.A. Wischhusen, J. Qi, S.R. Agnew, K. Ogle, J.R. Scully, “Passivation and localized corrosion resistance of  $Al_{0.3}Cr_{0.5}Fe_2Mo_xNi_{1.5}Ti_{0.3}$  compositionally complex alloys : effect of Mo content”, *Corrosion Science*, **227** (2024) 111692 [\(10.1016/j.corsci.2023.111692\)](#) [\(hal-04300127\)](#)
3. L. Lagnika, S.I. Avoise, F. Oyélékan Bouraima, C. Bidossessi Sindedji, M. Dakle, R. Gueret, L. Fort, Y. Gimbert, T.W. Napporn, D. Zigah, A. Aubouy, E. Maisonhaute, “Voltammetric techniques for low-cost on-site routine analysis of thymol in the medicinal plant *ocimum gratissimum*”, *Talanta*, **269** (2024) 125411 [\(10.1016/j.talanta.2023.125411\)](#) [\(hal-04313217\)](#)
4. A. Bident, F. Delange, C. Labrugere, C. Debiemme-Chouvy, Y. Lu, J.F. Silvain, “Fabrication and characterization of copper and copper alloys reinforced with graphene”, *J. of Composite Materials*, **58** (2024) 109-117 [\(10.1177/00219983231215210\)](#) [\(hal-04314387\)](#)
5. A. Bouzina, R. Meng, F. Pillier, H. Perrot, O. Sel, C. Debiemme-Chouvy, “Hydrothermal synthesis of a graphene-based composite enabling the fabrication of a current collector-free microsupercapacitor with improved energy storage performance”, *Batteries & Supercaps*, **7** (2024) e202300430 [\(10.1002/batt.202300430\)](#) [\(hal-04353337\)](#)
6. N. Velasquez, F.B. Nunes, O. Travnikova, I. Ismail, R. Guillemin, J.B. Martins, D. Céolin, L. Journal, L. Fillaud, D. Koulentianos, C. Kamal, R. Püttner, M. Novella Piancastelli, M. Simon, M. Odelius, M. Lannuzzi, T. Marchenko, “X-ray induced ultrafast charge transfer in thiophene-based conjugated polymers controlled by core-hole clock spectroscopy”, *PhysChemChemPhys*, **26** (2024) 1234-1244 [\(10.1039/d3cp04303g\)](#) [\(hal-04387219\)](#)
7. S. Marcelin, S. Livi, B. Ter-Ovanesian, B. Tribollet, N. Mary, B. Normand, “Potential of epoxy coating containing ionic liquid as anti-corrosion coating : evaluation of barrier properties”, *Surface & Coatings Technology*, **477** (2024) 130376 [\(10.1016/j.surfcoat.2024.130376\)](#) [\(hal-04399268\)](#)
8. E. Vichou, Y. Adjez, Y. Li, M. Gómez-Mingot, M. Fontecave, C.M. Sánchez-Sánchez, “Smart electrode surfaces by electrolyte immobilization for electrocatalytic CO<sub>2</sub> conversion”, *J. Am. Chem. Soc.*, **146** (2024) 2824-2834 [\(10.1021/jacs.3c13315\)](#) [\(hal-04408861\)](#)
9. A. Leal-Duaso, Y. Adjez, C.M. Sánchez-Sánchez, “Role of ionic solvents in the electrocatalytic CO<sub>2</sub> conversion and H<sub>2</sub> evolution suppression : from ionic liquids to deep eutectic solvents”, *ChemElectroChem*, (2024) e202300771 **InPress** [\(10.1002/celec.202300771\)](#) [\(hal-04425482\)](#)

10. D.S. Ramírez-Rico, M. Keddam, E.R. Larios-Durán, V. Vivier, “*Study of gold electrodisolution by scanning electrochemical microscopy in different modes*”, *Electrochim. Acta*, **481** (2024) 143956 [10.1016/j.electacta.2024.143956](https://doi.org/10.1016/j.electacta.2024.143956) [hal-04468714](https://hal.archives-ouvertes.fr/hal-04468714)
11. A. Fiocco, A.A. Pavlic, F. Kanoufi, E. Maisonhaute, J.M. Noël, I.T. Lucas, “*Electrochemical tip-enhanced Raman spectroscopy for the elucidation of complex electrochemical reactions*”, *Anal. Chem.*, **96** (2024) 2791-2798 [10.1021/acs.analchem.3c02601](https://doi.org/10.1021/acs.analchem.3c02601) [hal-04468780](https://hal.archives-ouvertes.fr/hal-04468780)
12. S. Bourg, K. Rakotozandriny, I.T. Lucas, E. Letavernier, C. Bonhomme, F. Babonneau, A. Abou-Hassan, “*Confining calcium oxalate crystal growth in a carbonated apatite-coated microfluidic channel to better understand the role of Randall’s plaque in kidney stone formation*”, *Lab on a Chip*, **24** (2024) 2017-2024 [10.1039/D3lc01050c](https://doi.org/10.1039/D3lc01050c) [hal-04495726](https://hal.archives-ouvertes.fr/hal-04495726)
13. J. Rabah, H. Nasrallah, K. Wright, I. Gérard, H. Fensterbank, T.T.V. Bui, J. Marrot, T.T. Tran, A. Fatima, M.H. Ha-Thi, R. Méallet, G. Burdzinski, G. Clavier, S. Boujday, H. Cachet, C. Debiemme-Chouvy, E. Maisonhaute, A. Vallée, E. Allard, “*Cliked BODIPY-Fullerene-Peptide assemblies : studies of electron transfer processes in self-assembled monolayers on gold surfaces*”, *ChemPlusChem*, (2024) e202300717 **InPress** [10.1002/cplu.202300717](https://doi.org/10.1002/cplu.202300717) [hal-04500746](https://hal.archives-ouvertes.fr/hal-04500746)
14. K. Orson, E. Romanovskaia, A. Costine, J. Han, K. Ogle, J.R. Scully, P. Reinke, “*Corrosion resistance, composition, and stratification of passive films : Ni-22Cr and Ni-22Cr-6Mo alloys passivated and exposure aged in acidic chloride solutions*”, *J. Electrochem. Soc.*, **171** (2024) 011505 [10.1149/1945-7111/ad1d28](https://doi.org/10.1149/1945-7111/ad1d28) [hal-04521257](https://hal.archives-ouvertes.fr/hal-04521257)
15. G.A. Cerrón-Calle, A. Maya, D. Leon, M. Roldan, A.S. Fajardo, C.M. Sánchez-Sánchez, S. Garcia-Segura, “*Unlocking sustainable nitrate reductions : earth-abundant bimetallic electrodes under galvanostatic evaluation*”, *Electrochim. Acta*, **489** (2024) 144263 [10.1016/j.electacta.2024.144263](https://doi.org/10.1016/j.electacta.2024.144263). [hal-04547969](https://hal.archives-ouvertes.fr/hal-04547969)
16. J. Wadhawan, E. Maisonhaute, “*Editorial overview : Innovative methods in electrochemistry (2023) : electrochemical techniques : smart approaches for timely problems*”, *Current Opinion in Electrochemistry*, **43** (2024) 101426 [10.1016/j.coelec.2023.101426](https://doi.org/10.1016/j.coelec.2023.101426). [hal-04551001](https://hal.archives-ouvertes.fr/hal-04551001)
17. B. Ter-Ovanesian, J. Galipaud, S. Marcelin, B. Tribollet, B. Normand, “*Dielectric bi-layer model for electrochemical impedance spectroscopy characterisation of oxide film*”, *Electrochim. Acta*, **492** (2024) 144307 [10.1016/j.electacta.2024.144307](https://doi.org/10.1016/j.electacta.2024.144307). [hal-04560829](https://hal.archives-ouvertes.fr/hal-04560829)
18. C.M. Sánchez-Sánchez, F. Bedioui, “*Editorial overview : surface electrochemistry for everyone*”, *Current Opinion in Electrochemistry*, **45** (2024) 101510 [10.1016/j.coelec.2024.101510](https://doi.org/10.1016/j.coelec.2024.101510). [hal-04569122](https://hal.archives-ouvertes.fr/hal-04569122)

### **Chapitre d’Ouvrage**

1. O. Gharbi, K. Ogle, J. Han, “*On the chemistry of conversion coatings*”, *Encyclopedia of Solid Liquid Interfaces*, Vol. 3 : Reference Collection in Chemistry, Molecular Sciences and Chemical Engineering (2024) pp532-546. Editions Elsevier (2024) [10.1016/B978-0-323-85669-0.00091-X](https://doi.org/10.1016/B978-0-323-85669-0.00091-X) [hal-04049955](https://hal.archives-ouvertes.fr/hal-04049955)