

Title	Authors	Citations	Web Link
Operando Electron Microscopy Study of Cobalt-based Fischer-Tropsch Nanocatalysts	Dembélé, Kassioyé;Bahri, Mounib;Hirlimann, Charles;Moldovan, Simona;Berliet, Adrien;Maury, Sylvie;Gay, Anne-Sophie;Ersen, Ovidiu	Dembélé, Kassioyé;Bahri, Mounib;Hirlimann, Charles;Moldovan, Simona;Berliet, Adrien;Maury, Sylvie;Gay, Anne-Sophie;Ersen, Ovidiu , <i>Operando</i> Electron Microscopy Study of Cobalt-based Fischer-Tropsch Nanocatalysts, 2020, ChemCatChem, 10.1002/cctc.202001074	<a href="https://onlinelibrary.wiley.com/doi/10.1002/cctc.202001074">https://onlinelibrary.wiley.com/doi/10.1002/cctc.202001074</a>
Quo Vadis Micro-Electro-Mechanical Systems for the Study of Heterogeneous Catalysts Inside the Electron Microscope?	Boniface, Maxime;Plodinec, Milivoj;Schlögl, Robert;Lunkenbein, Thomas	Boniface, Maxime;Plodinec, Milivoj;Schlögl, Robert;Lunkenbein, Thomas , Quo Vadis Micro-Electro-Mechanical Systems for the Study of Heterogeneous Catalysts Inside the Electron Microscope?, 2020, Topics in Catalysis, 10.1007/s11244-020-01398-6	<a href="http://link.springer.com/10.1007/s11244-020-01398-6">http://link.springer.com/10.1007/s11244-020-01398-6</a>
Aerosol synthesis of thermally stable porous noble metals and alloys by using bi-functional templates	Odziomek, Mateusz;Bahri, Mounib;Boissiere, Cedric;Sanchez, Clement;Lassalle-Kaiser, Benedikt;Zitolo, Andrea;Ersen, Ovidiu;Nowak, Sophie;Tard, Cedric;Giraud, Marion;Faustini, Marco;Peron, Jennifer	Odziomek, Mateusz;Bahri, Mounib;Boissiere, Cedric;Sanchez, Clement;Lassalle-Kaiser, Benedikt;Zitolo, Andrea;Ersen, Ovidiu;Nowak, Sophie;Tard, Cedric;Giraud, Marion;Faustini, Marco;Peron, Jennifer , Aerosol synthesis of thermally stable porous noble metals and alloys by using bi-functional templates, 2020, Materials Horizons, 10.1039/C9MH01408J	<a href="http://xlink.rsc.org/?DOI=C9MH01408J">http://xlink.rsc.org/?DOI=C9MH01408J</a>
In Situ Observation of Rh-CaTiO <sub>3</sub> Catalysts during Reduction and Oxidation Treatments by Transmission Electron Microscopy	Song, Boao;Yang, Yong;Rabbani, Muztoba;Yang, Timothy T.;He, Kun;Hu, Xiaobing;Yuan, Yifei;Ghildiyal, Pankaj;Dravid, Vinayak P.;Zachariah, Michael R.;Saidi, Wissam A.;Liu, Yuzi;Shahbazian-Yassar, Reza	Song, Boao;Yang, Yong;Rabbani, Muztoba;Yang, Timothy T.;He, Kun;Hu, Xiaobing;Yuan, Yifei;Ghildiyal, Pankaj;Dravid, Vinayak P.;Zachariah, Michael R.;Saidi, Wissam A.;Liu, Yuzi;Shahbazian-Yassar, Reza , <i>In Situ</i> Oxidation Studies of High-Entropy Alloy Nanoparticles, 2020, ACS Nano, 10.1021/acsnano.0c05250	<a href="https://pubs.acs.org/doi/10.1021/acsnano.0c05250">https://pubs.acs.org/doi/10.1021/acsnano.0c05250</a>
Multislice simulations for in-situ HRTEM studies of nanostructured magnesium hydride at ambient hydrogen pressure	Surrey, Alexander;Schultz, Ludwig;Rellinghaus, Bernd	Surrey, Alexander;Schultz, Ludwig;Rellinghaus, Bernd , Multislice simulations for in-situ HRTEM studies of nanostructured magnesium hydride at ambient hydrogen pressure, 2017, Ultramicroscopy, 10.1016/j.ultramic.2017.01.017	<a href="http://www.sciencedirect.com/science/article/pii/S0304399117300529">http://www.sciencedirect.com/science/article/pii/S0304399117300529</a>
In Situ Observation of Rh-CaTiO <sub>3</sub> Catalysts during Reduction and Oxidation Treatments by Transmission Electron Microscopy	Dai, Sheng;Zhang, Shuyi;Katz, Michael B.;Graham, George W.;Pan, Xiaoqing	Dai, Sheng;Zhang, Shuyi;Katz, Michael B.;Graham, George W.;Pan, Xiaoqing , In Situ Observation of Rh-CaTiO <sub>3</sub> Catalysts during Reduction and Oxidation Treatments by Transmission Electron Microscopy , 2017 , ACS Catalysis , 10.1021/acscatal.6b03604	<a href="https://doi.org/10.1021/acscatal.6b03604">https://doi.org/10.1021/acscatal.6b03604</a>
Introducing and Controlling Water Vapor in Closed-Cell In Situ Electron Microscopy Gas Reactions	Unocic, Kinga A;Walden, Franklin S;Marthe, Nelson L;Datye, Abhaya K;Bigelow, Wilbur C;Allard, Lawrence F	Unocic, Kinga A;Walden, Franklin S;Marthe, Nelson L;Datye, Abhaya K;Bigelow, Wilbur C;Allard, Lawrence F , Introducing and Controlling Water Vapor in Closed-Cell In Situ Electron Microscopy Gas Reactions , 2020, Microscopy and Microanalysis	
Nanoscale temperature measurement during temperature controlled in situ TEM using Al plasmon nanothermometry	Chmielewski, A.; Ricolleau, C.; Alloyeau, D.; Wang, G.; Nelayah, J.	Chmielewski, A.; Ricolleau, C.; Alloyeau, D.; Wang, G.; Nelayah, J. , Nanoscale temperature measurement during temperature controlled in situ TEM using Al plasmon nanothermometry, 2020, Ultramicroscopy, 10.1016/j.ultramic.2019.112881	<a href="http://www.sciencedirect.com/science/article/pii/S0304399119300932">http://www.sciencedirect.com/science/article/pii/S0304399119300932</a>
Synthesis of mesoporous palladium with tunable porosity and demonstration of its thermal stability by in situ heating and environmental transmission electron microscopy	Cappillino, Patrick J.; Hattar, Khalid M.; Clark, Blythe G.; Hartnett, Ryan J.; Stavila, Vitalie; Hekmaty, Michelle A.; Jacobs, Benjamin W.; Robinson, David B.	Cappillino, Patrick J.; Hattar, Khalid M.; Clark, Blythe G.; Hartnett, Ryan J.; Stavila, Vitalie; Hekmaty, Michelle A.; Jacobs, Benjamin W.; Robinson, David B. , Synthesis of mesoporous palladium with tunable porosity and demonstration of its thermal stability by in situ heating and environmental transmission electron microscopy, 2012, Journal of Materials Chemistry A, 10.1039/C2TA00190J	<a href="https://pubs.rsc.org/en/content/articlelanding/2013/ta/c2ta00190j">https://pubs.rsc.org/en/content/articlelanding/2013/ta/c2ta00190j</a>
Atomic Scale Insight into the Formation, Size, and Location of Platinum Nanoparticles Supported on $\gamma$ -Alumina	Batista, Ana T. F.; Baaziz, Walid; Taleb, Anne-Lise; Chaniot, Johan; Moreaud, Maxime; Legens, Christèle; Aguilar-Tapia, Antonio; Proux, Olivier; Hazemann, Jean-Louis; Diehl, Fabrice; Chizallet, Céline; Gay, Anne-Sophie; Ersen, Ovidiu; Raybaud, Pascal	Batista, Ana T. F.; Baaziz, Walid; Taleb, Anne-Lise; Chaniot, Johan; Moreaud, Maxime; Legens, Christèle; Aguilar-Tapia, Antonio; Proux, Olivier; Hazemann, Jean-Louis; Diehl, Fabrice; Chizallet, Céline; Gay, Anne-Sophie; Ersen, Ovidiu; Raybaud, Pascal , Atomic Scale Insight into the Formation, Size, and Location of Platinum Nanoparticles Supported on $\gamma$ -Alumina, 2020, ACS Catalysis, 10.1021/acscatal.0c00042	<a href="https://doi.org/10.1021/acscatal.0c00042">https://doi.org/10.1021/acscatal.0c00042</a>
In-situ transmission electron microscopy investigation of the influence of hydrogen on the oxidation mechanisms of fine grained magnesium	Sauvage, X.; Moldovan, S.; Cuvilly, F.; Bahri, M.; Grosdidier, T.	Sauvage, X.; Moldovan, S.; Cuvilly, F.; Bahri, M.; Grosdidier, T. , In-situ transmission electron microscopy investigation of the influence of hydrogen on the oxidation mechanisms of fine grained magnesium, 2020, Materials Chemistry and Physics, 10.1016/j.matchemphys.2020.122928	<a href="http://www.sciencedirect.com/science/article/pii/S0254058420303059">http://www.sciencedirect.com/science/article/pii/S0254058420303059</a>
Direct Microscopic Proof of the Fermi Level Pinning Gas-Sensing Mechanism: The Case of Platinum-Loaded WO <sub>3</sub>	Staerz, Anna; Bahri, Mounib; Geyik, Ugur; Brinkmann, Helena; Weimar, Udo; Ersen, Ovidiu; Barsan, Nicolae	Staerz, Anna; Bahri, Mounib; Geyik, Ugur; Brinkmann, Helena; Weimar, Udo; Ersen, Ovidiu; Barsan, Nicolae , Direct Microscopic Proof of the Fermi Level Pinning Gas-Sensing Mechanism: The Case of Platinum-Loaded WO <sub>3</sub> , 2020, The Journal of Physical Chemistry Letters, 10.1021/acsclett.9b03114	<a href="https://doi.org/10.1021/acsclett.9b03114">https://doi.org/10.1021/acsclett.9b03114</a>
Motion of crystalline inclusions by interface diffusion in the proximity of free surfaces	Bergamaschini, Roberto; Rosen, Brian A.; Montalenti, Francesco; Colin, Jérôme	Bergamaschini, Roberto; Rosen, Brian A.; Montalenti, Francesco; Colin, Jérôme , Motion of crystalline inclusions by interface diffusion in the proximity of free surfaces, 2019, Journal of Nanoparticle Research, 10.1007/s11051-019-4658-3	<a href="https://doi.org/10.1007/s11051-019-4658-3">https://doi.org/10.1007/s11051-019-4658-3</a>
In situ Scanning Transmission Electron Microscopy with Atomic Resolution under Atmospheric Pressure	Dai, Sheng; Zhang, Shuyi; Graham, George W.; Pan, Xiaoqing	Dai, Sheng; Zhang, Shuyi; Graham, George W.; Pan, Xiaoqing , In situ Scanning Transmission Electron Microscopy with Atomic Resolution under Atmospheric Pressure, 2019, Microscopy Today, 10.1017/S1551929519000439	<a href="https://www.cambridge.org/core/journals/microscopy-today/article/in-situ-scanning-transmission-electron-microscopy-with-atomic-resolution-under-atmospheric-pressure/55D8A0C1194DACD2E1D7685406CE2193">https://www.cambridge.org/core/journals/microscopy-today/article/in-situ-scanning-transmission-electron-microscopy-with-atomic-resolution-under-atmospheric-pressure/55D8A0C1194DACD2E1D7685406CE2193</a>
Morphological and compositional changes of MFe <sub>2</sub> O <sub>4</sub> @Co <sub>3</sub> O <sub>4</sub> (M = Ni, Zn) core-shell nanoparticles after mild reduction	Govender, Alisa; Olivier, Ezra J.; Carleschi, Emanuela; Prestat, Eric; Haigh, Sarah J.; van Rensburg, Hendrik; Doyle, Bryan P.; Barnard, Werner; Forbes, Roy P.; Neethling, Johannes H.; van Steen, Eric	Govender, Alisa; Olivier, Ezra J.; Carleschi, Emanuela; Prestat, Eric; Haigh, Sarah J.; van Rensburg, Hendrik; Doyle, Bryan P.; Barnard, Werner; Forbes, Roy P.; Neethling, Johannes H.; van Steen, Eric , Morphological and compositional changes of MFe <sub>2</sub> O <sub>4</sub> @Co <sub>3</sub> O <sub>4</sub> (M = Ni, Zn) core-shell nanoparticles after mild reduction, 2019, Materials Characterization, 10.1016/j.matchar.2019.109806	<a href="http://www.sciencedirect.com/science/article/pii/S1044580318328262">http://www.sciencedirect.com/science/article/pii/S1044580318328262</a>
Bimetallic Phosphide (Ni,Cu) <sub>2</sub> P Nanoparticles by Inward Phosphorus Migration and Outward Copper Migration	Nguyen, Anh-Minh; Bahri, Mounib; Dreyfuss, Sébastien; Moldovan, Simona; Miche, Antoine; Méthivier, Christophe; Ersen, Ovidiu; Mézailles, Nicolas; Carencu, Sophie	Nguyen, Anh-Minh; Bahri, Mounib; Dreyfuss, Sébastien; Moldovan, Simona; Miche, Antoine; Méthivier, Christophe; Ersen, Ovidiu; Mézailles, Nicolas; Carencu, Sophie , Bimetallic Phosphide (Ni,Cu) <sub>2</sub> P Nanoparticles by Inward Phosphorus Migration and Outward Copper Migration, 2019, Chemistry of Materials, 10.1021/acs.chemmater.9b01505	<a href="https://doi.org/10.1021/acs.chemmater.9b01505">https://doi.org/10.1021/acs.chemmater.9b01505</a>

Title	Authors	Citations	Web Link
Structural evolution of atomically dispersed Pt catalysts dictates reactivity	DeRita, Leo; Resasco, Joaquin; Dai, Sheng; Boubnov, Alexey; Thang, Ho Viet; Hoffman, Adam S.; Ro, Insoo; Graham, George W.; Bare, Simon R.; Pacchioni, Gianfranco; Pan, Xiaoqing; Christopher, Phillip	DeRita, Leo; Resasco, Joaquin; Dai, Sheng; Boubnov, Alexey; Thang, Ho Viet; Hoffman, Adam S.; Ro, Insoo; Graham, George W.; Bare, Simon R.; Pacchioni, Gianfranco; Pan, Xiaoqing; Christopher, Phillip, Structural evolution of atomically dispersed Pt catalysts dictates reactivity, 2019, Nature Materials, 10.1038/s41563-019-0349-9	<a href="https://www.nature.com/articles/s41563-019-0349-9">https://www.nature.com/articles/s41563-019-0349-9</a>
Sintering of cobalt during FTS: Insights from industrial and model systems	Moodley, Denzil; Claeys, Michael; van Steen, Eric; van Helden, Pieter; Kistamurthy, Deshen; Weststrate, Kees-Jan; Niemantsverdriet, Hans; Saib, Abdool; Erasmus, Willem; van de Loosdrecht, Jan	Moodley, Denzil; Claeys, Michael; van Steen, Eric; van Helden, Pieter; Kistamurthy, Deshen; Weststrate, Kees-Jan; Niemantsverdriet, Hans; Saib, Abdool; Erasmus, Willem; van de Loosdrecht, Jan, Sintering of cobalt during FTS: Insights from industrial and model systems, 2020, Catalysis Today, 10.1016/j.cattod.2019.03.059	<a href="http://www.sciencedirect.com/science/article/pii/S0920586118309088">http://www.sciencedirect.com/science/article/pii/S0920586118309088</a>
Toward 3D imaging of corrosion at the nanoscale: Cross-sectional analysis of in-situ oxidized TEM samples	Harlow, Wayne; Taheri, Mitra L.	Harlow, Wayne; Taheri, Mitra L., Toward 3D imaging of corrosion at the nanoscale: Cross-sectional analysis of in-situ oxidized TEM samples, 2019, Micron, 10.1016/j.micron.2019.02.008	<a href="http://www.sciencedirect.com/science/article/pii/S0968432818302828">http://www.sciencedirect.com/science/article/pii/S0968432818302828</a>
Oxidation-Induced Atom Diffusion and Surface Restructuring in Faceted Ternary Pt-Cu-Ni Nanoparticles	Shen, Xiaochen; Dai, Sheng; Zhang, Shuyi; Lu, Zheng; Zhang, Changlin; Graham, George W.; Lei, Yu; Pan, Xiaoqing; Peng, Zhenmeng	Shen, Xiaochen; Dai, Sheng; Zhang, Shuyi; Lu, Zheng; Zhang, Changlin; Graham, George W.; Lei, Yu; Pan, Xiaoqing; Peng, Zhenmeng, Oxidation-Induced Atom Diffusion and Surface Restructuring in Faceted Ternary Pt-Cu-Ni Nanoparticles, 2019, Chemistry of Materials, 10.1021/acs.chemmater.8b05199	<a href="https://doi.org/10.1021/acs.chemmater.8b05199">https://doi.org/10.1021/acs.chemmater.8b05199</a>
Thermal behavior of Pd@SiO <sub>2</sub> nanostructures in various gas environments: a combined 3D and in situ TEM approach	Baaziz, Walid; Bahri, Mounib; Gay, Anne Sophie; Chaumonnot, Alexandra; Uzio, Denis; Valette, Sébastien; Hirlimann, Charles; Ersen, Ovidiu	Baaziz, Walid; Bahri, Mounib; Gay, Anne Sophie; Chaumonnot, Alexandra; Uzio, Denis; Valette, Sébastien; Hirlimann, Charles; Ersen, Ovidiu, Thermal behavior of Pd@SiO <sub>2</sub> nanostructures in various gas environments: a combined 3D and in situ TEM approach, 2018, Nanoscale, 10.1039/C8NR06951D	<a href="https://pubs.rsc.org/en/content/articlelanding/2018/nr/c8nr06951d">https://pubs.rsc.org/en/content/articlelanding/2018/nr/c8nr06951d</a>
Insight by In Situ Gas Electron Microscopy on the Thermal Behaviour and Surface Reactivity of Cobalt Nanoparticles	Dembélé, Kassioyé; Bahri, Mounib; Melinte, Georgian; Hirlimann, Charles; Berliet, Adrien; Maury, Sylvie; Gay, Anne-Sophie; Ersen, Ovidiu	Dembélé, Kassioyé; Bahri, Mounib; Melinte, Georgian; Hirlimann, Charles; Berliet, Adrien; Maury, Sylvie; Gay, Anne-Sophie; Ersen, Ovidiu, Insight by In Situ Gas Electron Microscopy on the Thermal Behaviour and Surface Reactivity of Cobalt Nanoparticles, 2018, ChemCatChem, 10.1002/cctc.201800854	<a href="https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/cctc.201800854">https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/cctc.201800854</a>
In situ insight into the unconventional ruthenium catalyzed growth of carbon nanostructures	Bahri, M.; Dembélé, K.; Sassoey, C.; Debecker, D. P.; Moldovan, S.; Gay, A. S.; Hirlimann, Ch; Sanchez, C.; Ersen, O.	Bahri, M.; Dembélé, K.; Sassoey, C.; Debecker, D. P.; Moldovan, S.; Gay, A. S.; Hirlimann, Ch; Sanchez, C.; Ersen, O., In situ insight into the unconventional ruthenium catalyzed growth of carbon nanostructures, 2018, Nanoscale, 10.1039/C8NR01227J	<a href="https://pubs.rsc.org/en/content/articlelanding/2018/nr/c8nr01227j">https://pubs.rsc.org/en/content/articlelanding/2018/nr/c8nr01227j</a>
Analytical and <i>in situ</i> Applications Using Aberration Corrected Scanning Transmission Electron Microscope	Ohnishi, Ichiro; Suzuki, Toshihiro; Miyatake, Kouji; Jimbo, Yu; Iwasawa, Yorinobu; Morita, Masaki; Sasaki, Takeo; Sawada, Hidetaka; Okunishi, Eiji	Ohnishi, Ichiro; Suzuki, Toshihiro; Miyatake, Kouji; Jimbo, Yu; Iwasawa, Yorinobu; Morita, Masaki; Sasaki, Takeo; Sawada, Hidetaka; Okunishi, Eiji, Analytical and <i>in situ</i> Applications Using Aberration Corrected Scanning Transmission Electron Microscope, 2018, e-Journal of Surface Science and Nanotechnology, 10.1380/ejssnt.2018.286	
Thermally Introduced Bismuth Clustering in Ga(P,Bi) Layers under Group V Stabilised Conditions Investigated by Atomic Resolution In Situ (S)TEM	Straubinger, R.; Widemann, M.; Belz, J.; Nattermann, L.; Beyer, A.; Volz, K.	Straubinger, R.; Widemann, M.; Belz, J.; Nattermann, L.; Beyer, A.; Volz, K., Thermally Introduced Bismuth Clustering in Ga(P,Bi) Layers under Group V Stabilised Conditions Investigated by Atomic Resolution In Situ (S)TEM, 2018, Scientific Reports, 10.1038/s41598-018-27286-4	<a href="https://www.nature.com/articles/s41598-018-27286-4">https://www.nature.com/articles/s41598-018-27286-4</a>
In situ Atmospheric Transmission Electron Microscopy of Catalytic Nanomaterials	Dai, Sheng; Gao, Wenpei; Graham, George W.; Pan, Xiaoqing	Dai, Sheng; Gao, Wenpei; Graham, George W.; Pan, Xiaoqing, In situ Atmospheric Transmission Electron Microscopy of Catalytic Nanomaterials, 2018, MRS Advances, 10.1557/adv.2018.435	<a href="https://www.cambridge.org/core/journals/mrs-advances/article/in-situ-atmospheric-transmission-electron-microscopy-of-catalytic-nanomaterials/71F8D0135EF96CD595956DBD2422D116">https://www.cambridge.org/core/journals/mrs-advances/article/in-situ-atmospheric-transmission-electron-microscopy-of-catalytic-nanomaterials/71F8D0135EF96CD595956DBD2422D116</a>
Direct Measurement of the Surface Energy of Bimetallic Nanoparticles: Evidence of Vegard's Rulelike Dependence	Chmielewski, Adrian; Nelayah, Jaysen; Amara, Hakim; Creuze, Jérôme; Alloyeau, Damien; Wang, Guillaume; Ricolleau, Christian	Chmielewski, Adrian; Nelayah, Jaysen; Amara, Hakim; Creuze, Jérôme; Alloyeau, Damien; Wang, Guillaume; Ricolleau, Christian, Direct Measurement of the Surface Energy of Bimetallic Nanoparticles: Evidence of Vegard's Rulelike Dependence, 2018, Physical Review Letters, 10.1103/PhysRevLett.120.025901	<a href="https://link.aps.org/doi/10.1103/PhysRevLett.120.025901">https://link.aps.org/doi/10.1103/PhysRevLett.120.025901</a>
Reactivity and structural evolution of urchin-like Co nanostructures under controlled environments	Dembele, K.; Moldovan, S.; Hirlimann, Ch; Harmel, J.; Soulantica, K.; Serp, P.; Chaudret, B.; Gay, A.-S.; Maury, S.; Berliet, A.; Fecant, A.; Ersen, O.	Dembele, K.; Moldovan, S.; Hirlimann, Ch; Harmel, J.; Soulantica, K.; Serp, P.; Chaudret, B.; Gay, A.-S.; Maury, S.; Berliet, A.; Fecant, A.; Ersen, O., Reactivity and structural evolution of urchin-like Co nanostructures under controlled environments, 2018, Journal of Microscopy, 10.1111/jmi.12656	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/jmi.12656">https://onlinelibrary.wiley.com/doi/abs/10.1111/jmi.12656</a>
Platinum-Based Nanowires as Active Catalysts toward Oxygen Reduction Reaction: In Situ Observation of Surface-Diffusion-Assisted, Solid-State Oriented Attachment	Ma, Yanling; Gao, Wenpei; Shan, Hao; Chen, Wenlong; Shang, Wen; Tao, Peng; Song, Chengyi; Addiego, Chris; Deng, Tao; Pan, Xiaoqing; Wu, Jianbo	Ma, Yanling; Gao, Wenpei; Shan, Hao; Chen, Wenlong; Shang, Wen; Tao, Peng; Song, Chengyi; Addiego, Chris; Deng, Tao; Pan, Xiaoqing; Wu, Jianbo, Platinum-Based Nanowires as Active Catalysts toward Oxygen Reduction Reaction: In Situ Observation of Surface-Diffusion-Assisted, Solid-State Oriented Attachment, 2017, Advanced Materials, 10.1002/adma.201703460	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/adma.201703460">https://onlinelibrary.wiley.com/doi/abs/10.1002/adma.201703460</a>
Layer-by-Layer Degradation of Methylammonium Lead Tri-iodide Perovskite Microplates	Fan, Zheng; Xiao, Hai; Wang, Yiliu; Zhao, Zipeng; Lin, Zhaoyang; Cheng, Hung-Chieh; Lee, Sung-Joon; Wang, Gongming; Feng, Ziyang; Goddard, William A.; Huang, Yu; Duan, Xiangfeng	Fan, Zheng; Xiao, Hai; Wang, Yiliu; Zhao, Zipeng; Lin, Zhaoyang; Cheng, Hung-Chieh; Lee, Sung-Joon; Wang, Gongming; Feng, Ziyang; Goddard, William A.; Huang, Yu; Duan, Xiangfeng, Layer-by-Layer Degradation of Methylammonium Lead Tri-iodide Perovskite Microplates, 2017, Joule, 10.1016/j.joule.2017.08.005	<a href="http://www.sciencedirect.com/science/article/pii/S2542435117300302">http://www.sciencedirect.com/science/article/pii/S2542435117300302</a>
Role of 2D and 3D defects on the reduction of LaNiO <sub>3</sub> nanoparticles for catalysis	Singh, Sarika; Prestat, Eric; Huang, Liang-Feng; Rondinelli, James M.; Haigh, Sarah J.; Rosen, Brian A.	Singh, Sarika; Prestat, Eric; Huang, Liang-Feng; Rondinelli, James M.; Haigh, Sarah J.; Rosen, Brian A., Role of 2D and 3D defects on the reduction of LaNiO <sub>3</sub> nanoparticles for catalysis, 2017, Scientific Reports, 10.1038/s41598-017-10703-5	<a href="https://www.nature.com/articles/s41598-017-10703-5">https://www.nature.com/articles/s41598-017-10703-5</a>

Title	Authors	Citations	Web Link
In Situ Thermal Annealing Transmission Electron Microscopy (TEM) Investigation of III/V Semiconductor Heterostructures Using a Setup for Safe Usage of Toxic and Pyrophoric Gases	Straubinger, Rainer; Beyer, Andreas; Ochs, Thomas; Stolz, Wolfgang; Volz, Kerstin	Straubinger, Rainer; Beyer, Andreas; Ochs, Thomas; Stolz, Wolfgang; Volz, Kerstin , In Situ Thermal Annealing Transmission Electron Microscopy (TEM) Investigation of III/V Semiconductor Heterostructures Using a Setup for Safe Usage of Toxic and Pyrophoric Gases, 2017, Microscopy and Microanalysis: The Official Journal of Microscopy Society of America, Microbeam Analysis Society, Microscopical Society of Canada, 10.1017/S1431927617012351	-
In situ atomic-scale observation of oxygen-driven core-shell formation in Pt 3 Co nanoparticles	Dai, Sheng; You, Yuan; Zhang, Shuyi; Cai, Wei; Xu, Mingjie; Xie, Lin; Wu, Ruqian; Graham, George W.; Pan, Xiaoqing	Dai, Sheng; You, Yuan; Zhang, Shuyi; Cai, Wei; Xu, Mingjie; Xie, Lin; Wu, Ruqian; Graham, George W.; Pan, Xiaoqing , In situ atomic-scale observation of oxygen-driven core-shell formation in Pt 3 Co nanoparticles, 2017, Nature Communications, 10.1038/s41467-017-00161-y	<a href="https://www.nature.com/articles/s41467-017-00161-y">https://www.nature.com/articles/s41467-017-00161-y</a>
Catalytic Nanopatterning of Few-Layer Graphene	Melinte, Georgian; Moldovan, Simona; Hirlimann, Charles; Baaziz, Walid; Bégin-Colin, Sylvie; Pham-Huu, Cuong; Ersen, Ovidiu	Melinte, Georgian; Moldovan, Simona; Hirlimann, Charles; Baaziz, Walid; Bégin-Colin, Sylvie; Pham-Huu, Cuong; Ersen, Ovidiu , Catalytic Nanopatterning of Few-Layer Graphene, 2017, ACS Catalysis, 10.1021/acscatal.7b01777	<a href="https://hal.archives-ouvertes.fr/hal-02182887">https://hal.archives-ouvertes.fr/hal-02182887</a>
In Situ Solid–Gas Reactivity of Nanoscaled Metal Borides from Molten Salt Synthesis	Gouget, Guillaume; Debecker, Damien P.; Kim, Ara; Olivieri, Giorgia; Gallet, Jean-Jacques; Bournel, Fabrice; Thomas, Cyril; Ersen, Ovidiu; Moldovan, Simona; Sanchez, Clément; Carencu, Sophie; Portehault, David	Gouget, Guillaume; Debecker, Damien P.; Kim, Ara; Olivieri, Giorgia; Gallet, Jean-Jacques; Bournel, Fabrice; Thomas, Cyril; Ersen, Ovidiu; Moldovan, Simona; Sanchez, Clément; Carencu, Sophie; Portehault, David , In Situ Solid–Gas Reactivity of Nanoscaled Metal Borides from Molten Salt Synthesis, 2017, Inorganic Chemistry, 10.1021/acs.inorgchem.7b01279	<a href="https://doi.org/10.1021/acs.inorgchem.7b01279">https://doi.org/10.1021/acs.inorgchem.7b01279</a>
An in situ and ex situ TEM study into the oxidation of titanium (IV) sulphide	Long, Edmund; O'Brien, Sean; Lewis, Edward A.; Prestat, Eric; Downing, Clive; Cucinotta, Clotilde S.; Sanvito, Stefano; Haigh, Sarah J.; Nicolosi, Valeria	Long, Edmund; O'Brien, Sean; Lewis, Edward A.; Prestat, Eric; Downing, Clive; Cucinotta, Clotilde S.; Sanvito, Stefano; Haigh, Sarah J.; Nicolosi, Valeria , An in situ and ex situ TEM study into the oxidation of titanium (IV) sulphide, 2017, npj 2D Materials and Applications, 10.1038/s41699-017-0024-4	<a href="https://www.nature.com/articles/s41699-017-0024-4">https://www.nature.com/articles/s41699-017-0024-4</a>
Revealing Surface Elemental Composition and Dynamic Processes Involved in Facet-Dependent Oxidation of Pt3Co Nanoparticles via in Situ Transmission Electron Microscopy	Dai, Sheng; Hou, Yusheng; Onoue, Masatoshi; Zhang, Shuyi; Gao, Wenpei; Yan, Xingxu; Graham, George W.; Wu, Ruqian; Pan, Xiaoqing	Dai, Sheng; Hou, Yusheng; Onoue, Masatoshi; Zhang, Shuyi; Gao, Wenpei; Yan, Xingxu; Graham, George W.; Wu, Ruqian; Pan, Xiaoqing , Revealing Surface Elemental Composition and Dynamic Processes Involved in Facet-Dependent Oxidation of Pt3Co Nanoparticles via in Situ Transmission Electron Microscopy, 2017, Nano Letters, 10.1021/acs.nanolett.7b01325	<a href="https://doi.org/10.1021/acs.nanolett.7b01325">https://doi.org/10.1021/acs.nanolett.7b01325</a>
In Situ Industrial Bimetallic Catalyst Characterization using Scanning Transmission Electron Microscopy and X-ray Absorption Spectroscopy at One Atmosphere and Elevated Temperature	Prestat, Eric; Kulzick, Matthew A.; Dietrich, Paul J.; Smith, Mr Matthew; Tien, Mr Eu-Pin; Burke, M. Grace; Haigh, Sarah J.; Zaluzec, Nestor J.	Prestat, Eric; Kulzick, Matthew A.; Dietrich, Paul J.; Smith, Mr Matthew; Tien, Mr Eu-Pin; Burke, M. Grace; Haigh, Sarah J.; Zaluzec, Nestor J. , In Situ Industrial Bimetallic Catalyst Characterization using Scanning Transmission Electron Microscopy and X-ray Absorption Spectroscopy at One Atmosphere and Elevated Temperature, 2017, Chemphyschem: A European Journal of Chemical Physics and Physical Chemistry, 10.1002/cphc.201700425	
Integrated In Situ Characterization of a Molten Salt Catalyst Surface: Evidence of Sodium Peroxide and Hydroxyl Radical Formation	Takanabe, Kazuhiro; Khan, Abdulaziz M.; Tang, Yu; Nguyen, Luan; Ziani, Ahmed; Jacobs, Benjamin W.; Elbaz, Ayman M.; Sarathy, S. Mani; Tao, Franklin (Feng)	Takanabe, Kazuhiro; Khan, Abdulaziz M.; Tang, Yu; Nguyen, Luan; Ziani, Ahmed; Jacobs, Benjamin W.; Elbaz, Ayman M.; Sarathy, S. Mani; Tao, Franklin (Feng) , Integrated In Situ Characterization of a Molten Salt Catalyst Surface: Evidence of Sodium Peroxide and Hydroxyl Radical Formation, 2017, Angewandte Chemie International Edition, 10.1002/anie.201704758	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.201704758">https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.201704758</a>
Reversible Transformation of Pt Nanoparticles into Single Atoms inside High-Silica Chabazite Zeolite	Moliner, Manuel; Gabay, Jadeene E.; Kliewer, Chris E.; Carr, Robert T.; Guzman, Javier; Casty, Gary L.; Serna, Pedro; Corma, Avelino	Moliner, Manuel; Gabay, Jadeene E.; Kliewer, Chris E.; Carr, Robert T.; Guzman, Javier; Casty, Gary L.; Serna, Pedro; Corma, Avelino , Reversible Transformation of Pt Nanoparticles into Single Atoms inside High-Silica Chabazite Zeolite, 2016, Journal of the American Chemical Society, 10.1021/jacs.6b10169	<a href="https://doi.org/10.1021/jacs.6b10169">https://doi.org/10.1021/jacs.6b10169</a>
Adsorbate-mediated strong metal–support interactions in oxide-supported Rh catalysts	Matsubu, John C.; Zhang, Shuyi; DeRita, Leo; Marinkovic, Nebojsa S.; Chen, Jingguang G.; Graham, George W.; Pan, Xiaoqing; Christopher, Phillip	Matsubu, John C.; Zhang, Shuyi; DeRita, Leo; Marinkovic, Nebojsa S.; Chen, Jingguang G.; Graham, George W.; Pan, Xiaoqing; Christopher, Phillip , Adsorbate-mediated strong metal–support interactions in oxide-supported Rh catalysts, 2017, Nature Chemistry, 10.1038/nchem.2607	<a href="https://www.nature.com/articles/nchem.2607">https://www.nature.com/articles/nchem.2607</a>
Advances in windowed gas cells for in-situ TEM studies	Wu, Fan; Yao, Nan	Wu, Fan; Yao, Nan , Advances in windowed gas cells for in-situ TEM studies, 2015, Nano Energy, 10.1016/j.nanoen.2015.03.015	<a href="http://www.sciencedirect.com/science/article/pii/S2211285515001111">http://www.sciencedirect.com/science/article/pii/S2211285515001111</a>
Concurrent in situ ion irradiation transmission electron microscope	Hattar, K.; Bufford, D. C.; Buller, D. L.	Hattar, K.; Bufford, D. C.; Buller, D. L. , Concurrent in situ ion irradiation transmission electron microscope, 2014, Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, 10.1016/j.nimb.2014.08.002	<a href="https://www.mendeley.com/catalogue/4c6114d4-a216-3012-bb1f-49f5e04bd40d/">https://www.mendeley.com/catalogue/4c6114d4-a216-3012-bb1f-49f5e04bd40d/</a>
NiAl Oxidation Reaction Processes Studied In Situ Using MEMS-Based Closed-Cell Gas Reaction Transmission Electron Microscopy	Unocic, Kinga A.; Shin, Dongwon; Unocic, Raymond R.; Allard, Lawrence F.	Unocic, Kinga A.; Shin, Dongwon; Unocic, Raymond R.; Allard, Lawrence F. , NiAl Oxidation Reaction Processes Studied In Situ Using MEMS-Based Closed-Cell Gas Reaction Transmission Electron Microscopy, 2017, Oxidation of Metals, 10.1007/s11085-016-9676-2	<a href="https://doi.org/10.1007/s11085-016-9676-2">https://doi.org/10.1007/s11085-016-9676-2</a>
Quantitative and Atomic-Scale View of CO-Induced Pt Nanoparticle Surface Reconstruction at Saturation Coverage via DFT Calculations Coupled with in Situ TEM and IR	Avanesian, Talin; Dai, Sheng; Kale, Matthew J.; Graham, George W.; Pan, Xiaoqing; Christopher, Phillip	Avanesian, Talin; Dai, Sheng; Kale, Matthew J.; Graham, George W.; Pan, Xiaoqing; Christopher, Phillip , Quantitative and Atomic-Scale View of CO-Induced Pt Nanoparticle Surface Reconstruction at Saturation Coverage via DFT Calculations Coupled with in Situ TEM and IR, 2017, Journal of the American Chemical Society, 10.1021/jacs.7b01081	<a href="https://doi.org/10.1021/jacs.7b01081">https://doi.org/10.1021/jacs.7b01081</a>
In Situ Atomic-Scale Observation of the Two-Dimensional Co(OH)2 Transition at Atmospheric Pressure	Shen, Xiaochen; Dai, Sheng; Zhang, Changlin; Zhang, Shuyi; Sharkey, Stephen M.; Graham, George W.; Pan, Xiaoqing; Peng, Zhenmeng	Shen, Xiaochen; Dai, Sheng; Zhang, Changlin; Zhang, Shuyi; Sharkey, Stephen M.; Graham, George W.; Pan, Xiaoqing; Peng, Zhenmeng , In Situ Atomic-Scale Observation of the Two-Dimensional Co(OH)2 Transition at Atmospheric Pressure, 2017, Chemistry of Materials, 10.1021/acs.chemmater.7b01291	<a href="https://doi.org/10.1021/acs.chemmater.7b01291">https://doi.org/10.1021/acs.chemmater.7b01291</a>
The application of in situ analytical transmission electron microscopy to the study of preferential intergranular oxidation in Alloy 600	Burke, M. G.; Bertali, G.; Prestat, E.; Scenini, F.; Haigh, S. J.	Burke, M. G.; Bertali, G.; Prestat, E.; Scenini, F.; Haigh, S. J. , The application of in situ analytical transmission electron microscopy to the study of preferential intergranular oxidation in Alloy 600, 2017, Ultramicroscopy, 10.1016/j.ultramic.2016.11.014	<a href="http://www.sciencedirect.com/science/article/pii/S0304399116303345">http://www.sciencedirect.com/science/article/pii/S0304399116303345</a>
High-temperature electron microscopy study of ThO2 microspheres sintering	Nkou Bouala, G. I.; Clavier, N.; Léchelle, J.; Monnier, J.; Ricolleau, Ch.; Dacheux, N.; Podor, R.	Nkou Bouala, G. I.; Clavier, N.; Léchelle, J.; Monnier, J.; Ricolleau, Ch.; Dacheux, N.; Podor, R. , High-temperature electron microscopy study of ThO2 microspheres sintering, 2017, Journal of the European Ceramic Society, 10.1016/j.jeurceramsoc.2016.08.029	<a href="http://www.sciencedirect.com/science/article/pii/S0955221916304630">http://www.sciencedirect.com/science/article/pii/S0955221916304630</a>

Title	Authors	Citations	Web Link
Dynamical Observation and Detailed Description of Catalysts under Strong Metal-Support Interaction	Zhang, Shuyi; Plessow, Philipp N.; Willis, Joshua J.; Dai, Sheng; Xu, Mingjie; Graham, George W.; Cargnello, Matteo; Abild-Pedersen, Frank; Pan, Xiaoqing	Zhang, Shuyi; Plessow, Philipp N.; Willis, Joshua J.; Dai, Sheng; Xu, Mingjie; Graham, George W.; Cargnello, Matteo; Abild-Pedersen, Frank; Pan, Xiaoqing, Dynamical Observation and Detailed Description of Catalysts under Strong Metal-Support Interaction, 2016, Nano Letters, 10.1021/acs.nanolett.6b01769	<a href="https://doi.org/10.1021/acs.nanolett.6b01769">https://doi.org/10.1021/acs.nanolett.6b01769</a>
Defects do Catalysis: CO Monolayer Oxidation and Oxygen Reduction Reaction on Hollow PtNi/C Nanoparticles	Dubau, Laetitia; Nelayah, Jaysen; Moldovan, Simona; Ersen, Ovidiu; Bordet, Pierre; Drnec, Jakub; Asset, Tristan; Chattot, Raphaël; Maillard, Frédéric	Dubau, Laetitia; Nelayah, Jaysen; Moldovan, Simona; Ersen, Ovidiu; Bordet, Pierre; Drnec, Jakub; Asset, Tristan; Chattot, Raphaël; Maillard, Frédéric, Defects do Catalysis: CO Monolayer Oxidation and Oxygen Reduction Reaction on Hollow PtNi/C Nanoparticles, 2016, ACS Catalysis, 10.1021/acscatal.6b01106	<a href="https://doi.org/10.1021/acscatal.6b01106">https://doi.org/10.1021/acscatal.6b01106</a>
Determination of the initial oxidation behavior of Zircaloy-4 by in-situ TEM	Harlow, Wayne; Ghassemi, Hessam; Taheri, Mitra L.	Harlow, Wayne; Ghassemi, Hessam; Taheri, Mitra L., Determination of the initial oxidation behavior of Zircaloy-4 by in-situ TEM, 2016, Journal of Nuclear Materials, 10.1016/j.jnucmat.2016.03.009	<a href="http://www.sciencedirect.com/science/article/pii/S0022311516300824">http://www.sciencedirect.com/science/article/pii/S0022311516300824</a>
Improved Thermal Stability and Methane-Oxidation Activity of Pd/Al <sub>2</sub> O <sub>3</sub> Catalysts by Atomic Layer Deposition of ZrO <sub>2</sub>	Onn, Tzia Ming; Zhang, Shuyi; Arroyo-Ramirez, Lisandra; Chung, Yu-Chieh; Graham, George W.; Pan, Xiaoqing; Gorte, Raymond J.	Onn, Tzia Ming; Zhang, Shuyi; Arroyo-Ramirez, Lisandra; Chung, Yu-Chieh; Graham, George W.; Pan, Xiaoqing; Gorte, Raymond J., Improved Thermal Stability and Methane-Oxidation Activity of Pd/Al <sub>2</sub> O <sub>3</sub> Catalysts by Atomic Layer Deposition of ZrO <sub>2</sub> , 2015, ACS Catalysis, 10.1021/acscatal.5b01348	<a href="https://doi.org/10.1021/acscatal.5b01348">https://doi.org/10.1021/acscatal.5b01348</a>
Preparation and Loading Process of Single Crystalline Samples into a Gas Environmental Cell Holder for In Situ Atomic Resolution Scanning Transmission Electron Microscopic Observation	Straubinger, Rainer; Beyer, Andreas; Volz, Kerstin	Straubinger, Rainer; Beyer, Andreas; Volz, Kerstin, Preparation and Loading Process of Single Crystalline Samples into a Gas Environmental Cell Holder for In Situ Atomic Resolution Scanning Transmission Electron Microscopic Observation, 2016, Microscopy and Microanalysis: The Official Journal of Microscopy Society of America, Microbeam Analysis Society, Microscopical Society of Canada, 10.1017/S1431927616000593	
Revealing particle growth mechanisms by combining high-surface-area catalysts made with monodisperse particles and electron microscopy conducted at atmospheric pressure	Zhang, Shuyi; Cargnello, Matteo; Cai, Wei; Murray, Christopher B.; Graham, George W.; Pan, Xiaoqing	Zhang, Shuyi; Cargnello, Matteo; Cai, Wei; Murray, Christopher B.; Graham, George W.; Pan, Xiaoqing, Revealing particle growth mechanisms by combining high-surface-area catalysts made with monodisperse particles and electron microscopy conducted at atmospheric pressure, 2016, Journal of Catalysis, 10.1016/j.jcat.2016.02.020	<a href="http://www.sciencedirect.com/science/article/pii/S002195171600083X">http://www.sciencedirect.com/science/article/pii/S002195171600083X</a>
Correlation of morphology with catalytic performance of CrO <sub>x</sub> /Ce <sub>0.2</sub> Zr <sub>0.8</sub> O <sub>2</sub> catalysts for NO oxidation via in-situ STEM	Cai, Wei; Zhong, Qin; Yu, Yang; Dai, Sheng	Cai, Wei; Zhong, Qin; Yu, Yang; Dai, Sheng, Correlation of morphology with catalytic performance of CrO <sub>x</sub> /Ce <sub>0.2</sub> Zr <sub>0.8</sub> O <sub>2</sub> catalysts for NO oxidation via in-situ STEM, 2016, Chemical Engineering Journal, 10.1016/j.cej.2015.12.009	<a href="http://www.sciencedirect.com/science/article/pii/S1385894715016666">http://www.sciencedirect.com/science/article/pii/S1385894715016666</a>
Dynamic structural evolution of supported palladium-ceria core-shell catalysts revealed by in situ electron microscopy	Zhang, Shuyi; Chen, Chen; Cargnello, Matteo; Fornasiero, Paolo; Gorte, Raymond J.; Graham, George W.; Pan, Xiaoqing	Zhang, Shuyi; Chen, Chen; Cargnello, Matteo; Fornasiero, Paolo; Gorte, Raymond J.; Graham, George W.; Pan, Xiaoqing, Dynamic structural evolution of supported palladium-ceria core-shell catalysts revealed by in situ electron microscopy, 2015, Nature Communications, 10.1038/ncomms8778	<a href="https://www.nature.com/articles/ncomms8778">https://www.nature.com/articles/ncomms8778</a>
In situ environmental transmission electron microscopy study of oxidation of two-dimensional Ti <sub>3</sub> C <sub>2</sub> and formation of carbon-supported TiO <sub>2</sub>	Ghassemi, H.; Harlow, W.; Mashtalir, O.; Beidaghi, M.; Lukatskaya, M. R.; Gogotsi, Y.; Taheri, M. L.	Ghassemi, H.; Harlow, W.; Mashtalir, O.; Beidaghi, M.; Lukatskaya, M. R.; Gogotsi, Y.; Taheri, M. L., In situ environmental transmission electron microscopy study of oxidation of two-dimensional Ti <sub>3</sub> C <sub>2</sub> and formation of carbon-supported TiO <sub>2</sub> , 2014, Journal of Materials Chemistry A, 10.1039/C4TA02583K	<a href="https://pubs.rsc.org/en/content/articlelanding/2014/ta/c4ta02583k">https://pubs.rsc.org/en/content/articlelanding/2014/ta/c4ta02583k</a>
In situ TEM Ion Irradiation and Atmospheric Heating of Cladding Materials	Hattar, K.; Rajasekhara, S.; Clark, B. G.	Hattar, K.; Rajasekhara, S.; Clark, B. G., In situ TEM Ion Irradiation and Atmospheric Heating of Cladding Materials, 2012, MRS Online Proceedings Library Archive, 10.1557/opl.2012.186	<a href="https://www.cambridge.org/core/journals/mrs-online-proceedings-library-archive/article/in-situtem-ion-irradiation-and-atmospheric-heating-of-cladding-materials/E6942E4E8B70967C0E63BD1B79CD3D70">https://www.cambridge.org/core/journals/mrs-online-proceedings-library-archive/article/in-situtem-ion-irradiation-and-atmospheric-heating-of-cladding-materials/E6942E4E8B70967C0E63BD1B79CD3D70</a>
A Novel Heating Technology for Ultra-High Resolution Imaging in Electron Microscopes	Allard, Lawrence F.; Bigelow, Wilbur C.; Bradley, Steven A.; Liu, Jingyue(Jimmy)	Allard, Lawrence F.; Bigelow, Wilbur C.; Bradley, Steven A.; Liu, Jingyue(Jimmy), A Novel Heating Technology for Ultra-High Resolution Imaging in Electron Microscopes, 2009, Microscopy Today, 10.1017/S1551929509000030	<a href="https://www.cambridge.org/core/journals/microscopy-today/article/novel-heating-technology-for-ultrahigh-resolution-imaging-in-electron-microscopes/5949C29C44409BC9D1E8AEFDEF8C20B5">https://www.cambridge.org/core/journals/microscopy-today/article/novel-heating-technology-for-ultrahigh-resolution-imaging-in-electron-microscopes/5949C29C44409BC9D1E8AEFDEF8C20B5</a>
Insight on thermal stability of magnetite magnetosomes: implications for the fossil record and biotechnology	Cypriano, Jefferson; Bahri, Mounib; Dembelé, Kassioyé; Baaziz, Walid; Leão, Pedro; Bazylinski, Dennis A.; Abreu, Fernanda; Ersen, Ovidiu; Farina, Marcos; Werckmann, Jacques	Cypriano, Jefferson; Bahri, Mounib; Dembelé, Kassioyé; Baaziz, Walid; Leão, Pedro; Bazylinski, Dennis A.; Abreu, Fernanda; Ersen, Ovidiu; Farina, Marcos; Werckmann, Jacques, Insight on thermal stability of magnetite magnetosomes: implications for the fossil record and biotechnology, 2020, Scientific Reports, 10.1038/s41598-020-63531-5	<a href="https://www.nature.com/articles/s41598-020-63531-5">https://www.nature.com/articles/s41598-020-63531-5</a>