

## PUBLICATIONS

The current number of citations (from Web of Science) and the impact factor of the journal (Scopus 2017 metric with CiteScore Tracker 2017) are listed in **bold** after the reference.

Statistics based on Web of Science (14.08.2020):

**H-index: 32** (referred to WoS) and **32** (referred to Google Scholar).

Further statistics:

Average citations per item (WoS): 73.76;

Sum of citations (WoS): 3608 (without self-citation) and 3762 (with self-citation).

Sum of citations (Google Scholar): 4408

**IF:** Journal impact factors from Journal Citation Reports (Clarivate Analytics, 2019)

### 2020

48) Yuko Matsukawa, Fabian Linsenmann, Maximilian A. Plass, George Hasegawa, Katsuro Hayashi and **Tim-Patrick Fellingner\***, “*Gas sorption porosimetry for the evaluation of hard carbons as anodes for Li and Na ion batteries*”, **Beilstein J. Nanotechnol.**, 2020, 11, 1217–1229.

**Citations: -/IF: 2.61**

47) Asad Mehmood, Ghulam Ali, Burak Koyutürk, Jonas Pampel, Kyung Yoon Chung and **Tim-Patrick Fellingner\***, “*Nanoporous nitrogen doped carbons with enhanced capacity for sodium ion battery anodes*”, **Energy Storage Materials**, 2020, 28101–111.

**Citations: 1/IF: 15.09**

### 2019

46) Davide Menga, Francisco Ruiz-Zepeda, Léonard Moriau, Martin Šala, Friedrich Wagner, Burak Koyutürk, Urša Petek, Najc Hodnik, Miran Gaberšček and **Tim-Patrick Fellingner\***, “*Active-Site Imprinting: Preparation of Fe-N-C Catalysts from Zinc Ion Templated Ionothermal Nitrogen Doped Carbons*”, **Adv. Energy Mater.** 2019, 1902412.

**Citations: 1/IF: 24.88**

45) Burak Koyutürk, Josh Evans, Hendrik Mulhaupt, Sören Selve, Michael Wark and **Tim-Patrick Fellingner\***, “*Sol-Gel Chemistry in Molten Brønsted Acids towards “Activated” Carbons and Beyond*”, **Nanoscale**, 2019, 11, 13154-13160. **Citations: -/IF: 6.97**

44) Florian Schipper, Shiori Kubo and **Tim-Patrick Fellingner\***, “*Nitrogen-Doped Porous Carbon via Ammonothermal Carbonization for Supercapacitors*”, **J. Sol-Gel Sci. Technol.**, 2019, 98, 101-110. **Citations: 3/IF: 1.99**

### 2018

- 43) Milan Schirowski, Gonzalo Abellán, Edurne Nuin, Jonas Pampel, Christian Dolle, Vincent Wedler, Tim-Patrick Fellingner, Erdmann Spiecker, Frank Hauke, and Andreas Hirsch\*, “*Fundamental Insights into the Reductive Covalent Cross-Linking of Single-Walled Carbon Nanotubes*”, **J. Am. Chem. Soc.** 2018, 140 (9), 3352-60. **Citations: 19/IF: 14.70**
- 42) Asad Mehmood, Jonas Pampel, Ghulam Ali, Heung Yong Ha, Francisco Ruiz-Zepeda, and **Tim-Patrick Fellingner\***, “*Facile Metal Coordination of Active Site Imprinted Nitrogen Doped Carbons for the Conservative Preparation of Non-Noble Metal Oxygen Reduction Electrocatalysts*”, **Adv. Energy Mater.**, 2018, 8 (9), 1701771. **Citations: 20/IF: 24.88**

## 2017

- 41) Primož Jovanovič\*, Urša Peteka, Nejc Hodnik, Francisco Ruiz-Zepeda, Matija Gatalo, Martin Šala, Vid Simon Šelih, Tim-Patrick Fellingner and Miran Gaberšček\* “*On the Importance of Non-Intrinsic Platinum Dissolution out of Pt/C Composite Fuel Cell Catalysts*”, **Phys. Chem. Chem. Phys.** 2017, 19, 21446-21452. **Citations: 22/IF: 3.57**
- 40) Jonas Pampel\*, Asad Mehmood, Markus Antonietti, **Tim-Patrick Fellingner\***, “*Ionothermal template transformations for preparation of tubular porous nitrogen doped carbons*”, **Mater. Horizons**, 2017, 4, 493-501. **Citations: 22/IF: 14.36**
- 39) Sandy Lama, Jonas Pampel, Tim-Patrick Fellingner, Vladimir Beškoski, Latinka Beskoski, Markus Antonietti, Valerio Molinari\* “*Efficiency of Ni-nanoparticles supported on a hierarchical porous nitrogen doped carbon for the hydrogenolysis of Kraft lignin in flow and batch systems*”, **ACS Sustain. Chem. Eng.** 2017, 5, 2415-2420. **Citations: 17/IF: 6.97**
- 38) Alen Vizintin, Laurent Chabanne, Lorenzo Stievano, Guliana Aquilanti, Markus Antonietti, Tim-Patrick Fellingner, Robert Dominko,\* “*The mechanism of Li<sub>2</sub>S activation in lithium-sulfur batteries: Can we avoid the polysulfide formation?*”, **J. Power Sources**, 2017, 344, 208-217. **Citations: 44/IF: 7.47**
- 37) **Tim-Patrick Fellingner\***, “*Sol-Gel Carbons from Ionothermal Syntheses*”, **J. Sol-Gel Sci. Technol**, 2017, 81, 52f. **Citations: 5/IF: 1.99**  
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## 2016

- 36) Xiaoyuan Zhang, Weihua He, Rufan Zhang, Qiuying Wang, Peng Liang, Xia Huang\*, Bruce E. Logan, **Tim-Patrick Fellingner\***, “*High-Performance Carbon Aerogel Air Cathodes for Microbial Fuel Cells*”, **ChemSusChem**, 2016, 9, 2788-2795, **Citations: 32/IF: 7.80**  
→VIP paper →Cover Page
- 35) Jixin Zhu, Michael Metzger, Markus Antonietti, **Tim-Patrick Fellingner\***, “*Vertically aligned two-dimensional graphene-metal hydroxide hybrid arrays for Li-O<sub>2</sub> batteries*”, **ACS Appl. Mater. Interfaces**, 2016, 8, 26041-26050. **Citations: 18/IF: 8.46**

- 34) Jonas Pampel, Caleb Denton and **Tim-Patrick Fellinger\***, “*Glucose Derived Ionothermal Carbons with Tailor-Made Porosity*”, **Carbon**, 2016, 107, 288-296. **Citations: 37/IF: 7.47**
- 33) Jonas Pampel, and **Tim-Patrick Fellinger\***, “*Opening of Bottleneck Pores for the Improvement of Nitrogen Doped Carbon Electrocatalysts*”, **Adv. Energy Mater.**, 6, 2016, 1502389. **Citations: 116/IF: 24.88**
- 32) Micaela Graglia, Jonas Pampel, Tina Hantke, **Tim-Patrick Fellinger\*** and Davide Esposito\*, “*Nitro Lignin derived Nitrogen Doped Carbon as Efficient and Sustainable Electrocatalyst for the Oxygen Reduction Reaction*”, **ACS Nano**, 2016, 10, 4364–4371. **Citations: 84/IF: 13.90**
- 31) Jun Song Chen\*, Jiawen Ren, Menny Shalom, Tim-Patrick Fellinger and Markus Antonietti, “*Stainless Steel Mesh-Supported NiS Nanosheet Array as Highly Efficient Catalyst for Oxygen Evolution Reaction*”, **ACS Applied Materials & Interfaces**, 2016, 8, 5509-5516. **Citations: 165/IF: 8.46**  
→ Highly cited paper (Materials Science)
- 30) Frédéric Hasché\*, Mehtap Oezaslan, Peter Strasser, **Tim-Patrick Fellinger**, “*Electrocatalytic Hydrogen Peroxide Formation on Mesoporous Non-Metal Nitrogen Doped Carbon Catalyst*”, **J. Energy Chem.**, 2016, 2, 251-257. **Citations: 46/IF: 5.16**
- 29) Zupeng Chen, Sergey Pronkin, Tim-Patrick Fellinger, Kamalakannan Kailasam, Gianvito Vilé, Davide Albani, Frank Krumeich, Rowan Leary, Jon Barnard, John Meurig Thomas, Javier Pérez-Ramírez, Markus Antonietti, and Dariya Dontsova\*, “*Merging Single Atom Dispersed Silver and Carbon Nitride to a Joint Electronic System via Co-Polymerization with Silver Tricyanomethanide*”, **ACS Nano**, 2016, 10, 3166-3175. **Citations: 100/IF: 13.90**

## 2015

- 28) Florian Schipper, Alen Vizintin, Jiawen Ren, Robert Dominko, **Tim-Patrick Fellinger\***, “*Biomass-derived heteroatom doped carbon aerogels from a salt melt sol-gel synthesis and their performance in Li-S batteries*”, **ChemSusChem**, 2015, 8, 3077–3083. **Citations: 51/IF: 7.80**
- 27) Slawomir Porada, Florian Schipper, Mesut Aslan, Markus Antonietti, Volker Presser\*, and **Tim-Patrick Fellinger\***, “*Capacitive Deionization with Novel Biomass-based Microporous Salt Templated Carbons, Perspectives and Limitations of Heteroatom Carbons*”, **ChemSusChem**, 8, 2015, 1867–1874. **Citations: 86/IF: 7.80**  
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- 26) Jixin Zhu, Ken Sakaushi, Guylhaine Clavel, Menny Shalom, Markus Antonietti, **Tim-Patrick Fellinger\***, “*A general salt-templating method to fabricate vertically aligned graphitic carbon nanosheets and their metal carbide hybrids for superior lithium ion batteries and water splitting*”, **J. Am. Chem. Soc.**, 2015, 137, 5480–5485. **Citations: 234/IF: 14.70**  
→ highly cited paper (Chemistry)

- 25) Yuanqin Chang, Markus Antonietti and **Tim-Patrick Fellinger\***, “*Ionothermal carbonization of Common Organic Solvents and Solutions*”, **Angew. Chem. Int. Ed.**, 2015, 54, 5507–5512.  
**Citations: 49/IF: 12.26;**
- “*Synthese von Kohlenstoffnanostrukturen durch ionothermale Karbonisierung von gewöhnlichen Lösungsmitteln und Lösungen*”, **Angew. Chem.** 2015, 127, 5598-5603.  
**Citations: 4**
- 24) Karina Elumeeva, Jiawen Ren, Markus Antonietti and **Tim-Patrick Fellinger\***, “*High Surface Iron/Cobalt-Containing Nitrogen-Doped Carbon Aerogels as Non-Precious Advanced Electrocatalysts for Oxygen Reduction*”, **ChemElectroChem**, 2015, 2, 584–591.  
**Citations: 53/IF: 3.97**
- 23) Ken Sakaushi\*, Tim-Patrick Fellinger and Markus Antonietti, “*Bifunctional Metal-Free Catalysis of Mesoporous Noble Carbon*”, **ChemSusChem**, 2015, 8, 1156–1160.  
**Citations: 79/IF: 7.80**
- 22) Jiawen Ren, Markus Antonietti and **Tim-Patrick Fellinger\***, “*Efficient Water Splitting Using a Simple Ni/N/C Paper Electrocatalyst*”, **Adv. Energy Mater.**, 2015, 5, 1401660  
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- 21) Menny Shalom\*, Debora Ressnig, Xiaofei Yang, Guylhaine Clavel, Tim-Patrick Fellinger, Markus Antonietti, “*Nickel Nitride as Highly Efficient Electrocatalyst for Water Splitting Applications*”, **J. Mater. Chem. A**, 2015, 3, 8171-8177. **Citations: 245/IF: 10.73**  
→ Highly cited paper (Material Science)
- 20) Ken Sakaushi\*; Seung-Jae Yang, Tim-Patrick Fellinger, Markus Antonietti, “*Impact of Large-Scale Meso- and Macropore Structure in Adenosine-derived Affordable Noble Carbon on Efficient Reversible Oxygen Electrocatalytic Redox Reaction*”, **J. Mater. Chem. A**, 2015, 3, 11720-11724. **Citations: 15/IF: 10.73**

### 2014-2013

- 19) Chao Zhang, Markus Antonietti and **Tim-Patrick Fellinger\***, “*Blood Ties: Co<sub>3</sub>O<sub>4</sub> Decorated Blood Derived Carbon as a Superior Bifunctional Electrocatalyst*”, **Adv. Funct. Mater.**, 24, 2014, 7655-7665. **Citations: 98/IF: 15.62**
- 18) Karina Elumeeva, Nina Fechler, Tim-Patrick Fellinger and Markus Antonietti\*, “*Metal-free Ionic Liquid-derived Electrocatalyst for High-Performance Oxygen Reduction in Acidic and Alkaline Electrolytes*”, **Mater. Horizons**, 2014, 1, 1-7. **Citations: 66/IF: 14.36**
- 17) Sebastian Soll, Tim-Patrick Fellinger, Xinchun Wang, Qiang Zhao, Markus Antonietti and Jiayin Yuan\*, “*Water Dispersible, Highly Graphitic and Nitrogen-Doped Carbon Nanobubbles*”, **Small**, 2013, 9, 4135-4141. **Citations: 31/IF: 10.86**

- 16) Nina Fechler\*, Tim-Patrick Fellingner, Markus Antonietti, “*Salt Templating*”: A Simple and Sustainable Pathway toward Highly Porous Functional Carbons from Ionic Liquids”, **Adv. Mater.** 2013, 25, 75-79. **Citations: 330/IF: 25.81**  
→highly cited paper (Material Science)
- 15) Nina Fechler,\* Tim-Patrick Fellingner and Markus Antonietti, “*One-pot synthesis of nitrogen-sulfur-co-doped carbons with tunable composition using a simple isothiocyanate ionic liquid*”, **J. Mater. Chem. A**, 2013, 1, 14097-14102. **Citations: 58/IF: 10.73**
- 14) Pengfei Zhang, Jiayin Yuan, Tim-Patrick Fellingner, Markus Antonietti, Haoran Li, Yong Wang\*, “*Improving Hydrothermal Carbonization by Using Poly(ionic liquid)s*”, **Angew. Chem. Int. Ed.**, 2013, 52, 6028-6032. **Citations: 129/IF: 12.26**  
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- 13) Marta Sevilla\*, Linghui Yu, Tim-Patrick Fellingner, Maria-Magdalena Titirici, “*Polypyrrole-derived Mesoporous Nitrogen-doped Carbons with Intrinsic Catalytic Activity in the Oxygen Reduction Reaction*”, **RSC Advances**, 2013, 3, 9904-9910. **Citations: 80/IF: 3.05**
- 12) Qiang Zhao, Tim-Patrick Fellingner, Markus Antonietti, and Jiayin Yuan\*, “*A Novel Polymeric Precursor for Micro/mesoporous Nitrogen-doped Carbons*”, **J. Mater. Chem. A**, 2013, 1, 5113-5120. **Citations: 52/IF: 10.73**
- 11) Stephanie-Angelika Wohlgemuth\*, Tim-Patrick Fellingner, Philipp Jäker and Markus Antonietti, “*Tunable nitrogen-doped carbon aerogels as sustainable electrocatalysts in the oxygen reduction reaction*”, **J. Mater. Chem. A**, 2013, 1, 4002-4009. **Citations: 81/IF: 10.73**

#### 2012-2010

- 10) **Tim-Patrick Fellingner\***, Dang Sheng Su, Markus Engenhorst, Devendraprakash Gautam, Robert Schlögl and Markus Antonietti, “*Thermolytic synthesis of graphitic boron carbon nitride from an ionic liquid precursor: mechanism, structure analysis and electronic properties*”, **J. Mater. Chem.**, 2012, 22, 23996-24005. **Citations: 54/IF: 10.73**
- 9) **Tim-Patrick Fellingner\***, Robin J. White, Maria-Magdalena Titirici and Markus Antonietti, “*Borax-Mediated Formation of Carbon Aerogels from Glucose*”, **Adv. Func. Mater.**, 2012, 22, 3254–3260. **Citations: 133/IF: 15.62**
- 8) Nina Fechler\*, Tim-Patrick Fellingner and Markus Antonietti, “*Template-Free One-Pot Synthesis of Porous Binary and Ternary Metal Nitride@N-Doped Carbon Composites from Ionic Liquids*”, **Chem. Mater.**, 2012, 24, 713–719. **Citations: 60/IF: 10.16**
- 7) Qiang Zhao, Tim-Patrick Fellingner, Markus Antonietti, Jiayin Yuan\*, “*Nitrogen-doped carbon capsules via poly(ionic liquid)-based layer-by-layer assembly*”. **Macromol. Rapid Commun.**, 33, 2012, 1149-53. **Citations: 39/IF: 4.08**
- 6) Frédéric Hasché\*, Tim-Patrick Fellingner, Mehtap Oezaslan, Jens Peter Paraknowitsch, Markus Antonietti, Peter Strasser, „*Mesoporous Nitrogen Doped Carbon Supported Platinum PEM Fuel Cell Electrocatalyst Made From Ionic Liquids*”, **ChemCatChem**, 2012, 4, 479–483. **Citations: 60/IF: 4.50**

- 5) **Tim-Patrick Fellingner\***, Frédéric Hasché, Peter Strasser, Markus Antonietti, "Mesoporous nitrogen-doped carbon for the electrocatalytic synthesis of hydrogen peroxide." **J. Am. Chem. Soc.**, 2012, 134, 4072-5. **Citations: 385/IF: 14.70**  
→ highly cited paper (Chemistry)
- 4) Wen Yang\*, Tim-Patrick Fellingner, and Markus Antonietti, "Efficient Metal-Free Oxygen Reduction in Alkaline Medium on High-Surface-Area Mesoporous Nitrogen-Doped Carbons Made from Ionic Liquids and Nucleobases", **J. Am. Chem. Soc.**, 133, 2011, 206-209. **Citations: 740/IF: 14.70** → highly cited paper (Chemistry)
- 3) U. Siemeling\*, F. Bretthauer, C. Bruhn, T.-P. Fellingner, W. L. Tong, M. C. W. Chan; "Gold Nanoparticles Bearing an alpha-Lipoic Acid-based Ligand Shell. Synthesis, Model Complexes and Studies Concerning Phosphorescent Platinum(II)-Functionalisation", **Zeitschrift für Naturforschung B**, 2010, 65, 1089-1096. **Citations: 9/IF: 0.96**

#### LIST OF PEER-REVIEWED REVIEW ARTICLES:

- 2) Markus Antonietti\*, Nina Fechner, Tim-Patrick Fellingner, "Carbon Aerogels and Monoliths: Control of Porosity and Nanoarchitecture via Sol-Gel routes", **Chem. Mater.**, 26, 2014, 196-210. **Citations: 166/IF: 9.47**
- 1) Tim-Patrick Fellingner, Arne Thomas, Jiayin Yuan, Markus Antonietti\*, "Cooking Carbon with Salts: Carbon Materials and Carbonaceous Frameworks from Ionic Liquids and poly(ionic liquid)s", **Adv. Mater.**, 25, 2013, 5838-5854. **Citations: 141/IF: 18.96**

#### LIST OF BOOK CHAPTERS:

- 1) Robin J. White, Tim-Patrick Fellingner, Shiori Kubo, Nicolas Brun and Maria-Magdalena Titirici, Chapter 2: "Porous Hydrothermal Carbons", Sustainable Carbon Materials from Hydrothermal Processes, 2013, John Wiley & Sons, ISBN-10: 1119975395

#### LIST OF PATENTS:

- 2) Xiaoyuan Zhang, Xia Huang, Tim-Patrick Fellingner, Weihua He, Peng Liang, Rufan Zhang, Qiuying Wang and Bruce E. Logan, 2015, "An air-cathode and a microbial fuel cell", Chinese Patent, Application No.: 201520757397.9.
- 1) Markus Antonietti, Tim-Patrick Fellingner, Maria-Magdalena Titirici and Robin J. White, 2012, "Process for the preparation of carbon-containing material, material obtainable thereby and uses thereof", European Patent, EP 2520544 (A1).

#### LIST OF OTHER PUBLICATIONS:

- 4) Tim-Patrick Fellingner, „Carbon and Energy“, Annual Report (2016), Max Planck Institute of Colloids and Interfaces, 2017.

- 3) Tim-Patrick Fellingner, „*Mit Salzschnmelzen zu neuen Designerkohlen*“, Chem. Ber., (2015), 10, 979-983.
- 2) Tim-Patrick Fellingner, „*Carbon Materials and Energy Applications*“, Annual Report (2015), Max Planck Institute of Colloids and Interfaces, 2016.
- 1) Tim-Patrick Fellingner, „*Teaching Catalysis to Carbon*“, Biannual Report (2013/2014), Max Planck Institute of Colloids and Interfaces, 2015.