

# MagalÃ- Lingenfelder

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7833278/publications.pdf>

Version: 2024-02-01

47  
papers

3,071  
citations

304743

22  
h-index

254184

43  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3643  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Steering molecular organization and host-guest interactions using two-dimensional nanoporous coordination systems. <i>Nature Materials</i> , 2004, 3, 229-233.  | 27.5 | 653       |
| 2  | Germanene: the germanium analogue of graphene. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 443002.   | 1.8  | 304       |
| 3  | Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface. <i>Nature Materials</i> , 2009, 8, 189-193.  | 27.5 | 262       |
| 4  | Oxygen Isotope Labeling Experiments Reveal Different Reaction Sites for the Oxygen Evolution Reaction on Nickel and Nickel Iron Oxides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10295-10299. | 13.8 | 224       |
| 5  | Towards Surface-Supported Supramolecular Architectures: Tailored Coordination Assembly of 1,4-Benzenedicarboxylate and Fe on Cu(100). <i>Chemistry - A European Journal</i> , 2004, 10, 1913-1919.                | 3.3  | 189       |
| 6  | Deprotonation-Driven Phase Transformations in Terephthalic Acid Self-Assembly on Cu(100). <i>Journal of Physical Chemistry B</i> , 2004, 108, 19392-19397.  | 2.6  | 156       |
| 7  | Tracking the Chiral Recognition of Adsorbed Dipeptides at the Single-Molecule Level. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4492-4495.  | 13.8 | 148       |
| 8  | Hydrogen and Coordination Bonding Supramolecular Structures of Trimesic Acid on Cu(110). <i>Journal of Physical Chemistry A</i> , 2007, 111, 12589-12603.   | 2.5  | 118       |
| 9  | Density Functional Theory Analysis of Carboxylate-Bridged Diiron Units in Two-Dimensional Metal-Organic Grids. <i>Journal of the American Chemical Society</i> , 2006, 128, 5634-5635.                            | 13.7 | 93        |
| 10 | Mimicking Enzymatic Active Sites on Surfaces for Energy Conversion Chemistry. <i>Accounts of Chemical Research</i> , 2015, 48, 2132-2139.   | 15.6 | 87        |
| 11 | Reversible Local and Global Switching in Multicomponent Supramolecular Networks: Controlled Guest Release and Capture at the Solution/Solid Interface. <i>ACS Nano</i> , 2015, 9, 11608-11617.                    | 14.6 | 72        |
| 12 | Local Conformational Switching of Supramolecular Networks at the Solid/Liquid Interface. <i>ACS Nano</i> , 2015, 9, 5544-5550.  | 14.6 | 67        |
| 13 | Oxygen Isotope Labeling Experiments Reveal Different Reaction Sites for the Oxygen Evolution Reaction on Nickel and Nickel Iron Oxides. <i>Angewandte Chemie</i> , 2019, 131, 10401-10405.                        | 2.0  | 63        |
| 14 | Ordering of Dipeptide Chains on Cu Surfaces through 2D Cocrystallization. <i>Journal of the American Chemical Society</i> , 2007, 129, 15742-15743.   | 13.7 | 62        |
| 15 | Emergence of Potential-Controlled Cu-Nanocuboids and Graphene-Covered Cu-Nanocuboids under Operando CO <sub>2</sub> Electroreduction. <i>Nano Letters</i> , 2021, 21, 2059-2065.                                  | 9.1  | 54        |
| 16 | Design of Extended Surface-Supported Chiral Metal-Organic Arrays Comprising Mononuclear Iron Centers. <i>Langmuir</i> , 2004, 20, 4799-4801.  | 3.5  | 53        |
| 17 | Enhancement of electrocatalytic oxygen evolution by chiral molecular functionalization of hybrid 2D electrodes. <i>Nature Communications</i> , 2022, 13, .  | 12.8 | 48        |
| 18 | Asymmetry Induction by Cooperative Intermolecular Hydrogen Bonds in Surface-Anchored Layers of Achiral Molecules. <i>ChemPhysChem</i> , 2006, 7, 2197-2204.   | 2.1  | 46        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Van der Waals interactions in the self-assembly of 5-amino[6]helicene on Cu(100) and Au(111). <i>Chemical Communications</i> , 2014, 50, 13907-13909.  | 4.1  | 36        |
| 20 | Structure and Energetics of Diphenylalanine Self-Assembling on Cu(110). <i>Journal of Physical Chemistry A</i> , 2007, 111, 12740-12748.   | 2.5  | 34        |
| 21 | Varying molecular interactions by coverage in supramolecular surface chemistry. <i>Chemical Communications</i> , 2012, 48, 534-536.  | 4.1  | 34        |
| 22 | Intrinsic luminescence blinking from plasmonic nanojunctions. <i>Nature Communications</i> , 2021, 12, 2731.   | 12.8 | 25        |
| 23 | Synthesis, Properties, and Two-Dimensional Adsorption Characteristics of 5-Amino[6]hexahelicene. <i>Chemistry - A European Journal</i> , 2016, 22, 1484-1492.  | 3.3  | 21        |
| 24 | Programming Hierarchical Supramolecular Nanostructures by Molecular Design. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3440-3445.   | 3.1  | 20        |
| 25 | Super-resolved Optical Mapping of Reactive Sulfur-Vacancies in Two-Dimensional Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2021, 15, 7168-7178.  | 14.6 | 20        |
| 26 | Comparative Study of the Adsorption of Thiols and Selenols on Au(111) and Au(100). <i>Langmuir</i> , 2017, 33, 13733-13739.  | 3.5  | 19        |
| 27 | The STM bias voltage-dependent polymorphism of a binary supramolecular network. <i>Chemical Communications</i> , 2017, 53, 11430-11432.  | 4.1  | 18        |
| 28 | Chiral expression of adsorbed (MP) 5-amino[6]helicenes: from random structures to dense racemic crystals by surface alloying. <i>Chemical Communications</i> , 2017, 53, 130-133.  | 4.1  | 17        |
| 29 | Dynamically resolved self-assembly of S-layer proteins on solid surfaces. <i>Chemical Communications</i> , 2018, 54, 10264-10267.  | 4.1  | 17        |
| 30 | Contrasting Chemistry of Block Copolymer Films Controls the Dynamics of Protein Self-Assembly at the Nanoscale. <i>ACS Nano</i> , 2019, 13, 4018-4027.   | 14.6 | 16        |
| 31 | The van der Waals Interactions of <i>n</i> -Alkanethiol-Covered Surfaces: From Planar to Curved Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16526-16530.  | 13.8 | 12        |
| 32 | Structural Order of the Molecular Adlayer Impacts the Stability of Nanoparticle-on-Mirror Plasmonic Cavities. <i>ACS Photonics</i> , 2021, 8, 1863-1872.   | 6.6  | 11        |
| 33 | A Chiral Self-Assembled Monolayer Derived from a Resolving Agent and its Performance as a Crystallization Template for an Organic Compound from Organic Solvents. <i>Chemistry - A European Journal</i> , 2012, 18, 15984-15993. | 3.3  | 7         |
| 34 | Catalyst Proximity-Induced Functionalization of h-BN with Quat Derivatives. <i>Nano Letters</i> , 2019, 19, 5998-6004.   | 9.1  | 7         |
| 35 | Reactivity of Bioinspired Magnesium-Organic Networks under CO <sub>2</sub> and O <sub>2</sub> Exposure. <i>ACS Omega</i> , 2019, 4, 9850-9859.   | 3.5  | 6         |
| 36 | Building two-dimensional metal-organic networks with tin. <i>Chemical Communications</i> , 2019, 55, 345-348.  | 4.1  | 5         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | The van der Waals Interactions of <i>n</i> -Alkanethiol-Covered Surfaces: From Planar to Curved Surfaces. <i>Angewandte Chemie</i> , 2017, 129, 16753-16757.  | 2.0  | 4         |
| 38 | Mn-Cu Transmetalation as a Strategy for the Assembly of Decoupled Metal-Organic Networks on Sn/Cu(001) Surface Alloys. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18993-19002.                             | 3.1  | 4         |
| 39 | Localized Crystallization of Enantiomeric Organic Compounds on Chiral Micro-patterns from Various Organic Solutions. <i>Chemistry - A European Journal</i> , 2014, 20, 10466-10474.                                 | 3.3  | 3         |
| 40 | Stabilization of high-spin Mn ions in tetra-pyrrolic configuration on copper. <i>Applied Surface Science</i> , 2021, 551, 149307.   | 6.1  | 3         |
| 41 | Supramolecular Engineering Of Metal-Organic Networks At Surfaces. <i>AIP Conference Proceedings</i> , 2003, , .   | 0.4  | 2         |
| 42 | Carboxylate Groups: Deprotonation of Carboxylic Acids and Formation of Coordination Networks. , 2018, , 24-31.  |      | 1         |
| 43 | 2-D assembly of supramolecular nanoarchitectures on Mg(0001). <i>Chemical Communications</i> , 2019, 55, 1793-1796.   | 4.1  | 1         |
| 44 | Cover Picture: Tracking the Chiral Recognition of Adsorbed Dipeptides at the Single-Molecule Level ( <i>Angew. Chem. Int. Ed.</i> 24/2007). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4405-4405. | 13.8 | 0         |
| 45 | Controlled crystallization of organic molecules on micro-patterned surfaces. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C819-C819.   | 0.3  | 0         |
| 46 | What can in-situ surface science reveal about the "devil" face of your electrocatalyst?. , 0, , .   |      | 0         |
| 47 | Magnetic Enhancement of Electrocatalysis: Universality and Limitations. , 0, , .  |      | 0         |