

Jens Neu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

652
citations

14
h-index

25
g-index

49
ext. papers

917
ext. citations

8.1
avg, IF

4.53
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 31 | Predicting Solar Cell Performance from Terahertz and Microwave Spectroscopy. <i>Advanced Energy Materials</i> , 2022 , 12, 2102776 | 21.8 | 5 |
| 30 | A 300-fold conductivity increase in microbial cytochrome nanowires due to temperature-induced restructuring of hydrogen bonding networks.. <i>Science Advances</i> , 2022 , 8, eabm7193 | 14.3 | 4 |
| 29 | Interrogating Light-initiated Dynamics in Metal-Organic Frameworks with Time-resolved Spectroscopy. <i>Chemical Reviews</i> , 2021 , | 68.1 | 4 |
| 28 | Cation-exchanged conductive Mn2DSBDC metal-organic frameworks: Synthesis, structure, and THz conductivity. <i>Polyhedron</i> , 2021 , 203, 115182 | 2.7 | 2 |
| 27 | Nelly: A User-Friendly and Open-Source Implementation of Tree-Based Complex Refractive Index Analysis for Terahertz Spectroscopy. <i>Analytical Chemistry</i> , 2021 , 93, 11243-11250 | 7.8 | 1 |
| 26 | Ultrafast terahertz spectroscopy provides insight into charge transfer efficiency and dynamics in artificial photosynthesis. <i>Photosynthesis Research</i> , 2020 , 1 | 3.7 | 0 |
| 25 | Suspensions of Semiconducting Nanoparticles in Nafion for Transient Spectroscopy and Terahertz Photoconductivity Measurements. <i>Analytical Chemistry</i> , 2020 , 92, 4187-4192 | 7.8 | 5 |
| 24 | Terahertz Spectroscopy and Density Functional Theory Investigation of the Dipeptide L-Carnosine. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020 , 41, 1366-1377 | 2.2 | 7 |
| 23 | Influence of Dye Sensitizers on Charge Dynamics in SnO2 Nanoparticles Probed with THz Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 3482-3488 | 3.8 | 5 |
| 22 | Tribute to Charles A. Schmuttenmaer. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 22333-22334 | 3.8 | |
| 21 | Single Copper Atoms Enhance Photoconductivity in g-CN. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 8873-8879 | 6.4 | 10 |
| 20 | Direct Evidence of Photoinduced Charge Transport Mechanism in 2D Conductive Metal Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21050-21058 | 16.4 | 23 |
| 19 | Terahertz Spectroscopy of Emerging Materials. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 22335-22346 | 3.8 | 19 |
| 18 | Metal-Organic Framework Photoconductivity via Time-Resolved Terahertz Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9793-9797 | 16.4 | 22 |
| 17 | Terahertz Spectroscopy of Tetrameric Peptides. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2624-2628 | 3.4 | 28 |
| 16 | Terahertz Spectroscopy and Density Functional Theory Calculations of dl-Norleucine and dl-Methionine. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 5978-5982 | 2.8 | 19 |
| 15 | Identifying Peptide Structures with THz Spectroscopy 2018 , | | 1 |

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|----|---|-----|-----|
| 14 | Tutorial: An introduction to terahertz time domain spectroscopy (THz-TDS). <i>Journal of Applied Physics</i> , 2018 , 124, 231101 | 2.5 | 144 |
| 13 | Applicability of the thin-film approximation in terahertz photoconductivity measurements. <i>Applied Physics Letters</i> , 2018 , 113, 233901 | 3.4 | 20 |
| 12 | Frequency-Dependent Terahertz Transient Photoconductivity of Mesoporous SnO ₂ Films. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15949-15956 | 3.8 | 18 |
| 11 | Optimization of Terahertz Metamaterials for Near-Field Sensing of Chiral Substances. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2017 , 7, 755-764 | 3.4 | 7 |
| 10 | Exploring the solid state phase transition in dl-norvaline with terahertz spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 20, 276-283 | 3.6 | 18 |
| 9 | Optical tuning of ultra-thin, silicon-based flexible metamaterial membranes in the terahertz regime. <i>Optical Materials Express</i> , 2015 , 5, 408 | 2.6 | 9 |
| 8 | Terahertz time domain spectroscopy for carrier lifetime mapping in the picosecond to microsecond regime. <i>Optics Express</i> , 2015 , 23, 12900-9 | 3.3 | 18 |
| 7 | Ultrathin Flexible and Optically Tunable Terahertz Bandpass Filter with Embedded Silicon 2015 , | | 1 |
| 6 | Metamaterial-based gradient index beam steerers for terahertz radiation. <i>Applied Physics Letters</i> , 2013 , 103, 041109 | 3.4 | 34 |
| 5 | In-plane focusing of terahertz surface waves on a gradient index metamaterial film. <i>Optics Letters</i> , 2013 , 38, 2156-8 | 3 | 16 |
| 4 | Terahertz sensing with meta-surfaces and integrated circuits 2013 , | | 2 |
| 3 | Metamaterial near-field sensor for deep-subwavelength thickness measurements and sensitive refractometry in the terahertz frequency range. <i>Applied Physics Letters</i> , 2012 , 100, 221101 | 3.4 | 93 |
| 2 | Bound terahertz waves on meta-surfaces and active metamaterials 2011 , | | 3 |
| 1 | Metamaterial-based gradient index lens with strong focusing in the THz frequency range. <i>Optics Express</i> , 2010 , 18, 27748-57 | 3.3 | 112 |