Jens Neu

List of Publications by Citations

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	Tutorial: An introduction to terahertz time domain spectroscopy (THz-TDS). *Journal of Applied Physics*, **2018**, 124, 231101	2.5	144
30	Metamaterial-based gradient index lens with strong focusing in the THz frequency range. *Optics Express*, **2010**, 18, 27748-57	3.3	112
29	Metamaterial near-field sensor for deep-subwavelength thickness measurements and sensitive refractometry in the terahertz frequency range. *Applied Physics Letters*, **2012**, 100, 221101	3.4	93
28	Metamaterial-based gradient index beam steerers for terahertz radiation. *Applied Physics Letters*, **2013**, 103, 041109	3.4	34
27	Terahertz Spectroscopy of Tetrameric Peptides. *Journal of Physical Chemistry Letters*, **2019**, 10, 2624-2628	6.4	28
26	Direct Evidence of Photoinduced Charge Transport Mechanism in 2D Conductive Metal Organic Frameworks. *Journal of the American Chemical Society*, **2020**, 142, 21050-21058	16.4	23
25	Metal-Organic Framework Photoconductivity via Time-Resolved Terahertz Spectroscopy. *Journal of the American Chemical Society*, **2019**, 141, 9793-9797	16.4	22
24	Applicability of the thin-film approximation in terahertz photoconductivity measurements. *Applied Physics Letters*, **2018**, 113, 233901	3.4	20
23	Terahertz Spectroscopy and Density Functional Theory Calculations of dl-Norleucine and dl-Methionine. *Journal of Physical Chemistry A*, **2018**, 122, 5978-5982	2.8	19
22	Terahertz Spectroscopy of Emerging Materials. *Journal of Physical Chemistry C*, **2020**, 124, 22335-22346	3.8	19
21	Frequency-Dependent Terahertz Transient Photoconductivity of Mesoporous SnO2 Films. *Journal of Physical Chemistry C*, **2017**, 121, 15949-15956	3.8	18
20	Terahertz time domain spectroscopy for carrier lifetime mapping in the picosecond to microsecond regime. *Optics Express*, **2015**, 23, 12900-9	3.3	18
19	Exploring the solid state phase transition in dl-norvaline with terahertz spectroscopy. *Physical Chemistry Chemical Physics*, **2017**, 20, 276-283	3.6	18
18	In-plane focusing of terahertz surface waves on a gradient index metamaterial film. *Optics Letters*, **2013**, 38, 2156-8	3	16
17	Single Copper Atoms Enhance Photoconductivity in g-CN. *Journal of Physical Chemistry Letters*, **2020**, 11, 8873-8879	6.4	10
16	Optical tuning of ultra-thin, silicon-based flexible metamaterial membranes in the terahertz regime. *Optical Materials Express*, **2015**, 5, 408	2.6	9
15	Terahertz Spectroscopy and Density Functional Theory Investigation of the Dipeptide L-Carnosine. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2020**, 41, 1366-1377	2.2	7

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14	Optimization of Terahertz Metamaterials for Near-Field Sensing of Chiral Substances. *IEEE Transactions on Terahertz Science and Technology*, **2017**, 7, 755-764	3.4	7
13	Suspensions of Semiconducting Nanoparticles in Nafion for Transient Spectroscopy and Terahertz Photoconductivity Measurements. *Analytical Chemistry*, **2020**, 92, 4187-4192	7.8	5
12	Influence of Dye Sensitizers on Charge Dynamics in SnO2 Nanoparticles Probed with THz Spectroscopy. *Journal of Physical Chemistry C*, **2020**, 124, 3482-3488	3.8	5
11	Predicting Solar Cell Performance from Terahertz and Microwave Spectroscopy. *Advanced Energy Materials*, **2022**, 12, 2102776	21.8	5
10	Interrogating Light-initiated Dynamics in Metal-Organic Frameworks with Time-resolved Spectroscopy. *Chemical Reviews*, **2021**,	68.1	4
9	A 300-fold conductivity increase in microbial cytochrome nanowires due to temperature-induced restructuring of hydrogen bonding networks.. *Science Advances*, **2022**, 8, eabm7193	14.3	4
8	Bound terahertz waves on meta-surfaces and active metamaterials **2011**,		3
7	Terahertz sensing with meta-surfaces and integrated circuits **2013**,		2
6	Cation-exchanged conductive Mn2DSBDC metal-organic frameworks: Synthesis, structure, and THz conductivity. *Polyhedron*, **2021**, 203, 115182	2.7	2
5	Ultrathin Flexible and Optically Tunable Terahertz Bandpass Filter with Embedded Silicon **2015**,		1
4	Identifying Peptide Structures with THz Spectroscopy **2018**,		1
3	Nelly: A User-Friendly and Open-Source Implementation of Tree-Based Complex Refractive Index Analysis for Terahertz Spectroscopy. *Analytical Chemistry*, **2021**, 93, 11243-11250	7.8	1
2	Ultrafast terahertz spectroscopy provides insight into charge transfer efficiency and dynamics in artificial photosynthesis. *Photosynthesis Research*, **2020**, 1	3.7	0
1	Tribute to Charles A. Schmuttenmaer. *Journal of Physical Chemistry C*, **2020**, 124, 22333-22334	3.8	