

Klaus Kuhnke

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,279
citations

361296

20
h-index

377752

34
g-index

35
all docs

35
docs citations

35
times ranked

1223
citing authors

#	ARTICLE	IF	CITATIONS
1	Anionic character of the conduction band of sodium chloride. Nature Communications, 2022, 13, 981.	5.8	4
2	Band Bending and Beyond. Journal of Physical Chemistry C, 2021, 125, 3206-3214.	1.5	2
3	Light-matter interaction at atomic scales. Nature Reviews Physics, 2021, 3, 441-453.	11.9	46
4	Gigahertz Frame Rate Imaging of Charge-Injection Dynamics in a Molecular Light Source. Nano Letters, 2021, 21, 4577-4583.	4.5	3
5	Three's molecular company. Nature Chemistry, 2021, 13, 726-728.	6.6	0
6	Atomic-Scale Structural Fluctuations of a Plasmonic Cavity. Nano Letters, 2021, 21, 7221-7227.	4.5	10
7	Gold Chain Formation <i>via</i> Local Lifting of Surface Reconstruction by Hot Electron Injection on $H_{2}(D_{2})/Au(111)$. ACS Nano, 2020, 14, 15241-15247.	7.3	2
8	Atomic-Scale Dynamics Probed by Photon Correlations. ACS Nano, 2020, 14, 6366-6375.	7.3	17
9	Single Photon Emission from a Plasmonic Light Source Driven by a Local Field-Induced Coulomb Blockade. ACS Nano, 2020, 14, 4216-4223.	7.3	14
10	Photon superbunching from a generic tunnel junction. Science Advances, 2019, 5, eaav4986.	4.7	35
11	A Single Hydrogen Molecule as an Intensity Chopper in an Electrically Driven Plasmonic Nanocavity. Nano Letters, 2019, 19, 235-241.	4.5	10
12	Pentacene Excitons in Strong Electric Fields. ChemPhysChem, 2018, 19, 277-283.	1.0	6
13	Single Charge and Exciton Dynamics Probed by Molecular-Scale-Induced Electroluminescence. Nano Letters, 2018, 18, 4001-4007.	4.5	25
14	Bimodal exciton-plasmon light sources controlled by local charge carrier injection. Science Advances, 2018, 4, eaap8349.	4.7	21
15	Submolecular Electroluminescence Mapping of Organic Semiconductors. ACS Nano, 2017, 11, 1230-1237.	7.3	25
16	Atomic-Scale Imaging and Spectroscopy of Electroluminescence at Molecular Interfaces. Chemical Reviews, 2017, 117, 5174-5222.	23.0	126
17	Nanoscale Imaging of Charge Carrier and Exciton Trapping at Structural Defects in Organic Semiconductors. Nano Letters, 2016, 16, 2084-2089.	4.5	21
18	Exciton dynamics of C60-based single-photon emitters explored by Hanbury Brown-Twiss scanning tunnelling microscopy. Nature Communications, 2015, 6, 8461.	5.8	73

#	ARTICLE	IF	CITATIONS
19	Dynamic Control of Plasmon Generation by an Individual Quantum System. Nano Letters, 2014, 14, 5693-5697.	4.5	13
20	Molecular Orbital Gates for Plasmon Excitation. Nano Letters, 2013, 13, 2846-2850.	4.5	46
21	Quantitative mapping of fast voltage pulses in tunnel junctions by plasmonic luminescence. Applied Physics Letters, 2013, 103, .	1.5	25
22	Electroluminescence properties of organic nanostructures studied by scanning tunnelling microscopy. Physica Status Solidi (B): Basic Research, 2012, 249, 644-652.	0.7	4
23	Scanning Tunneling Luminescence of Individual CdSe Nanowires. Small, 2011, 7, 2396-2400.	5.2	8
24	Electroluminescence from Individual Pentacene Nanocrystals. ChemPhysChem, 2010, 11, 3412-3416.	1.0	30
25	Versatile optical access to the tunnel gap in a low-temperature scanning tunneling microscope. Review of Scientific Instruments, 2010, 81, 113102.	0.6	33
26	Complex magnetic phase in submonolayer Fe stripes on Pt(997). Physical Review B, 2009, 79, .	1.1	16
27	Magnetism of FePt Surface Alloys. Physical Review Letters, 2009, 102, 067207.	2.9	45
28	Growth and surface alloying of Fe on Pt(997). Surface Science, 2006, 600, 3266-3273.	0.8	34
29	Vicinal metal surfaces as nanotemplates for the growth of low-dimensional structures. Journal of Physics Condensed Matter, 2003, 15, S3311-S3335.	0.7	51
30	Co growth on Pt(997): from monatomic chains to monolayer completion. Surface Science, 2000, 449, 93-103.	0.8	124
31	One-dimensional metal chains on Pt vicinal surfaces. Physical Review B, 2000, 61, 2254-2262.	1.1	224
32	Probing step decoration by grazing-incidence helium scattering. Surface Science, 1998, 414, L964-L969.	0.8	17
33	Discrete Row Growth at Vicinal Surfaces. Physical Review Letters, 1997, 78, 94-97.	2.9	54
34	C60Exciton Quenching near Metal Surfaces. Physical Review Letters, 1997, 79, 3246-3249.	2.9	52
35	Vibrational energy transfer among adsorbate modes: Picosecond dynamics on stepped H/Si(111). Journal of Chemical Physics, 1993, 99, 6114-6125.	1.2	63