

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	One-dimensional metal chains on Pt vicinal surfaces. <i>Physical Review B</i> , 2000, 61, 2254-2262.	1.1	224
2	Atomic-Scale Imaging and Spectroscopy of Electroluminescence at Molecular Interfaces. <i>Chemical Reviews</i> , 2017, 117, 5174-5222.	23.0	126
3	Co growth on Pt(997): from monatomic chains to monolayer completion. <i>Surface Science</i> , 2000, 449, 93-103.	0.8	124
4	Exciton dynamics of C60-based single-photon emitters explored by Hanbury Brown-Twiss scanning tunnelling microscopy. <i>Nature Communications</i> , 2015, 6, 8461.	5.8	73
5	Vibrational energy transfer among adsorbate modes: Picosecond dynamics on stepped H/Si(111). <i>Journal of Chemical Physics</i> , 1993, 99, 6114-6125.	1.2	63
6	Discrete Row Growth at Vicinal Surfaces. <i>Physical Review Letters</i> , 1997, 78, 94-97.	2.9	54
7	C60Exciton Quenching near Metal Surfaces. <i>Physical Review Letters</i> , 1997, 79, 3246-3249.	2.9	52
8	Vicinal metal surfaces as nanotemplates for the growth of low-dimensional structures. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S3311-S3335.	0.7	51
9	Molecular Orbital Gates for Plasmon Excitation. <i>Nano Letters</i> , 2013, 13, 2846-2850.	4.5	46
10	Light-matter interaction at atomic scales. <i>Nature Reviews Physics</i> , 2021, 3, 441-453.	11.9	46
11	Magnetism of FePt Surface Alloys. <i>Physical Review Letters</i> , 2009, 102, 067207.	2.9	45
12	Photon superbunching from a generic tunnel junction. <i>Science Advances</i> , 2019, 5, eaav4986.	4.7	35
13	Growth and surface alloying of Fe on Pt(997). <i>Surface Science</i> , 2006, 600, 3266-3273.	0.8	34
14	Versatile optical access to the tunnel gap in a low-temperature scanning tunneling microscope. <i>Review of Scientific Instruments</i> , 2010, 81, 113102.	0.6	33
15	Electroluminescence from Individual Pentacene Nanocrystals. <i>ChemPhysChem</i> , 2010, 11, 3412-3416.	1.0	30
16	Quantitative mapping of fast voltage pulses in tunnel junctions by plasmonic luminescence. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	25
17	Submolecular Electroluminescence Mapping of Organic Semiconductors. <i>ACS Nano</i> , 2017, 11, 1230-1237.	7.3	25
18	Single Charge and Exciton Dynamics Probed by Molecular-Scale-Induced Electroluminescence. <i>Nano Letters</i> , 2018, 18, 4001-4007.	4.5	25

#	ARTICLE	IF	CITATIONS
19	Nanoscale Imaging of Charge Carrier and Exciton Trapping at Structural Defects in Organic Semiconductors. Nano Letters, 2016, 16, 2084-2089.	4.5	21
20	Bimodal exciton-plasmon light sources controlled by local charge carrier injection. Science Advances, 2018, 4, eaap8349.	4.7	21
21	Probing step decoration by grazing-incidence helium scattering. Surface Science, 1998, 414, L964-L969.	0.8	17
22	Atomic-Scale Dynamics Probed by Photon Correlations. ACS Nano, 2020, 14, 6366-6375.	7.3	17
23	Complex magnetic phase in submonolayer Fe stripes on Pt(997). Physical Review B, 2009, 79, .	1.1	16
24	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
25	Dynamic Control of Plasmon Generation by an Individual Quantum System. Nano Letters, 2014, 14, 5693-5697.	4.5	13
26	A Single Hydrogen Molecule as an Intensity Chopper in an Electrically Driven Plasmonic Nanocavity. Nano Letters, 2019, 19, 235-241.	4.5	10
27	Atomic-Scale Structural Fluctuations of a Plasmonic Cavity. Nano Letters, 2021, 21, 7221-7227.	4.5	10
28	Scanning Tunneling Luminescence of Individual CdSe Nanowires. Small, 2011, 7, 2396-2400.	5.2	8
29	Pentacene Excitons in Strong Electric Fields. ChemPhysChem, 2018, 19, 277-283.	1.0	6
30	Electroluminescence properties of organic nanostructures studied by scanning tunnelling microscopy. Physica Status Solidi (B): Basic Research, 2012, 249, 644-652.	0.7	4
31	Anionic character of the conduction band of sodium chloride. Nature Communications, 2022, 13, 981.	5.8	4
32	Gigahertz Frame Rate Imaging of Charge-Injection Dynamics in a Molecular Light Source. Nano Letters, 2021, 21, 4577-4583.	4.5	3
33	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
34	Band Bending and Beyond. Journal of Physical Chemistry C, 2021, 125, 3206-3214.	1.5	2
35	Three™s molecular company. Nature Chemistry, 2021, 13, 726-728.	6.6	0