

# Peter Knittel

## List of Publications by Year in descending order

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20  
papers

330  
citations

687363

13  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scanning electrochemical microscopy: an analytical perspective. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 307-324.	3.7	39
2	Simultaneous Nanomechanical and Electrochemical Mapping: Combining Peak Force Tapping Atomic Force Microscopy with Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2016, 88, 6174-6178.	6.5	33
3	Combining atomic force-fluorescence microscopy with a stretching device for analyzing mechanotransduction processes in living cells. <i>Analyst, The</i> , 2012, 137, 5208.	3.5	27
4	Probing the PEDOT:PSS/cell interface with conductive colloidal probe AFM-SECM. <i>Nanoscale</i> , 2016, 8, 4475-4481.	5.6	27
5	Visualization of Diffusion within Nanoarrays. <i>Analytical Chemistry</i> , 2016, 88, 6689-6695.	6.5	20
6	Focused ion beam-assisted fabrication of soft high-aspect ratio silicon nanowire atomic force microscopy probes. <i>Ultramicroscopy</i> , 2017, 179, 24-32.	1.9	20
7	High voltage electrochemical exfoliation of graphite for high-yield graphene production. <i>RSC Advances</i> , 2019, 9, 29305-29311.	3.6	19
8	The mechanisms of platinum-catalyzed silicon nanowire growth. <i>Semiconductor Science and Technology</i> , 2016, 31, 025005.	2.0	17
9	Nanoscale polypyrrole AFM-SECM probes enabling force measurements under potential control. <i>Nanoscale</i> , 2014, 6, 2255.	5.6	16
10	Challenges in nanoelectrochemical and nanomechanical studies of individual anisotropic gold nanoparticles. <i>Faraday Discussions</i> , 2016, 193, 353-369.	3.2	15
11	Multifunctional Boron-Doped Diamond Colloidal AFM Probes. <i>Small</i> , 2019, 15, 1902099.	10.0	15
12	Nanostructured Boron Doped Diamond Electrodes with Increased Reactivity for Solar-Driven CO <sub>2</sub> Reduction in Room Temperature Ionic Liquids. <i>ChemCatChem</i> , 2020, 12, 5548-5557.	3.7	15
13	Combining nanostructuring with boron doping to alter sub band gap acceptor states in diamond materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16645-16654.	10.3	14
14	Diamond Colloidal Probe Force Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 5537-5541.	6.5	13
15	Poly(benzoxazine) as an Immobilization Matrix for Miniaturized ATP and Glucose Biosensors. <i>ChemElectroChem</i> , 2017, 4, 864-871.	3.4	12
16	Characterisation of thin boron-doped diamond films using Raman spectroscopy and chemometrics. <i>Analytical Methods</i> , 2019, 11, 582-586.	2.7	11
17	Template- and Additive-free Electrosynthesis and Characterization of Spherical Gold Nanoparticles on Hydrophobic Conducting Polydimethylsiloxane. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1615-1624.	3.3	8
18	Beam-deposited platinum as versatile catalyst for bottom-up silicon nanowire synthesis. <i>Applied Physics Letters</i> , 2014, 105, 153110.	3.3	6

#	ARTICLE	IF	CITATIONS
19	Silanization of Sapphire Surfaces for Optical Sensing Applications. ACS Sensors, 2017, 2, 522-530.	7.8	2
20	Impact of Nitrogen, Boron and Phosphorus Impurities on the Electronic Structure of Diamond Probed by X-ray Spectroscopies. Journal of Carbon Research, 2021, 7, 28.	2.7	1