

Björn M Reinhard

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

307
citations

759233

12
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Switchable Chiroptical Hot-Spots in Silicon Nanodisk Dimers. ACS Photonics, 2019, 6, 1981-1989.	6.6	36
2	Ligand Density and Nanoparticle Clustering Cooperate in the Multivalent Amplification of Epidermal Growth Factor Receptor Activation. ACS Nano, 2018, 12, 10473-10485.	14.6	31
3	Effect of interstitial palladium on plasmon-driven charge transfer in nanoparticle dimers. Nature Communications, 2018, 9, 1608.	12.8	28
4	Stiffness of HIV-1 Mimicking Polymer Nanoparticles Modulates Ganglioside-Mediated Cellular Uptake and Trafficking. Advanced Science, 2020, 7, 2000649.	11.2	26
5	Localized Surface Plasmon Coupling between Mid-IR-Resonant ITO Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 5698-5704.	3.1	25
6	Wavelength-Dependent Bifunctional Plasmonic Photocatalysis in Au/Chalcopyrite Hybrid Nanostructures. ACS Nano, 2022, 16, 6813-6824.	14.6	23
7	Hybrid Plasmonic Photoreactors as Visible Light-Mediated Bactericides. ACS Applied Materials & Interfaces, 2020, 12, 106-116.	8.0	21
8	Plasmonic nano-antimicrobials: properties, mechanisms and applications in microbe inactivation and sensing. Nanoscale, 2021, 13, 3374-3411.	5.6	19
9	Generating Optical Birefringence and Chirality in Silicon Nanowire Dimers. ACS Photonics, 2017, 4, 2265-2273.	6.6	15
10	Characterizing Large-Scale Receptor Clustering on the Single Cell Level: A Comparative Plasmon Coupling and Fluorescence Superresolution Microscopy Study. Journal of Physical Chemistry B, 2019, 123, 5494-5505.	2.6	15
11	Nanoparticle-cell interactions induced apoptosis: a case study with nanoconjugated epidermal growth factor. Nanoscale, 2018, 10, 6712-6723.	5.6	14
12	Evolution of near- and far-field optical properties of Au bipyramids upon epitaxial deposition of Ag. Nanoscale, 2020, 12, 5402-5411.	5.6	12
13	Virus-Mimicking Polymer Nanoparticles Targeting CD169 ⁺ Macrophages as Long-Acting Nanocarriers for Combination Antiretrovirals. ACS Applied Materials & Interfaces, 2022, 14, 2488-2500.	8.0	12
14	Physiologically Relevant Mechanics of Biodegradable Polyester Nanoparticles. Nano Letters, 2020, 20, 7536-7542.	9.1	11
15	Membrane Fluidity Sensing on the Single Virus Particle Level with Plasmonic Nanoparticle Transducers. ACS Sensors, 2017, 2, 1415-1423.	7.8	6
16	Plasmon-Enhanced Pan-Microbial Pathogen Inactivation in the Cavitation Regime: Selectivity Without Targeting. ACS Applied Nano Materials, 2019, 2, 2548-2558.	5.0	6
17	Plasmonic Enhancement Strategies for Light-Driven Microbe Inactivation. Journal of Physical Chemistry C, 2022, 126, 2325-2335.	3.1	3
18	Characterizing Lipid-Coated Mesoporous Silica Nanoparticles as CD169-Targeted Binding Delivery System for Rilpivirine and Cabotegravir. Advanced NanoBiomed Research, 2022, 2, .	3.6	3

#	ARTICLE	IF	CITATIONS
19	Characterizing nanoplastics-induced stress and its SERS fingerprint in an intestinal membrane model. Nano Select, 2021, 2, 1707-1722.	3.7	1
20	Plasmonic photoreactors-coated plastic tubing as combined-active-and-passive antimicrobial flow sterilizer. Journal of Materials Chemistry B, 2022, 10, 2001-2010.	5.8	0