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List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

5,214
citations

361413

20
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

8165
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot Electrons Do the Impossible: Plasmon-Induced Dissociation of H ₂ on Au. Nano Letters, 2013, 13, 240-247.	9.1	1,332
2	Solar Vapor Generation Enabled by Nanoparticles. ACS Nano, 2013, 7, 42-49.	14.6	1,053
3	Compact solar autoclave based on steam generation using broadband light-harvesting nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11677-11681.	7.1	421
4	Evolution of Light-Induced Vapor Generation at a Liquid-Immersed Metallic Nanoparticle. Nano Letters, 2013, 13, 1736-1742.	9.1	394
5	Nanophotonics-enabled solar membrane distillation for off-grid water purification. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6936-6941.	7.1	348
6	Au Nanomatryoshkas as Efficient Near-Infrared Photothermal Transducers for Cancer Treatment: Benchmarking against Nanoshells. ACS Nano, 2014, 8, 6372-6381.	14.6	334
7	Coherent anti-Stokes Raman scattering with single-molecule sensitivity using a plasmonic Fano resonance. Nature Communications, 2014, 5, 4424.	12.8	252
8	Aluminum Nanocrystals: A Sustainable Substrate for Quantitative SERS-Based DNA Detection. Nano Letters, 2017, 17, 5071-5077.	9.1	173
9	The Surprising <i>in Vivo</i> Instability of Near-IR-Absorbing Hollow Au@Ag Nanoshells. ACS Nano, 2014, 8, 3222-3231.	14.6	148
10	Visualizing Light-Triggered Release of Molecules Inside Living Cells. Nano Letters, 2010, 10, 4117-4122.	9.1	131
11	Nanoparticle-Mediated, Light-Induced Phase Separations. Nano Letters, 2015, 15, 7880-7885.	9.1	107
12	Direct Optical Detection of Aptamer Conformational Changes Induced by Target Molecules. Analytical Chemistry, 2009, 81, 10002-10006.	6.5	89
13	Enhancing T ₁ magnetic resonance imaging contrast with internalized gadolinium(III) in a multilayer nanoparticle. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6960-6965.	7.1	75
14	Solar thermal desalination as a nonlinear optical process. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13182-13187.	7.1	74
15	Near-infrared remotely triggered drug-release strategies for cancer treatment. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12419-12424.	7.1	64
16	Combining Solar Steam Processing and Solar Distillation for Fully Off-Grid Production of Cellulosic Bioethanol. ACS Energy Letters, 2017, 2, 8-13.	17.4	61
17	Routes to Potentially Safer T ₁ Magnetic Resonance Imaging Contrast in a Compact Plasmonic Nanoparticle with Enhanced Fluorescence. ACS Nano, 2018, 12, 8214-8223.	14.6	37
18	Resonant energy transfer enhances solar thermal desalination. Energy and Environmental Science, 2020, 13, 968-976.	30.8	33

#	ARTICLE	IF	CITATIONS
19	A 3D Plasmonic Antenna-Reactor for Nanoscale Thermal Hotspots and Gradients. ACS Nano, 2021, 15, 8761-8769.	14.6	28
20	UV-Resonant Al Nanocrystals: Synthesis, Silica Coating, and Broadband Photothermal Response. Nano Letters, 2021, 21, 536-542.	9.1	25
21	Impurity-Induced Plasmon Damping in Individual Cobalt-Doped Hollow Au Nanoshells. Journal of Physical Chemistry B, 2014, 118, 14056-14061.	2.6	21
22	Gd ₂ O ₃ -mesoporous silica/gold nanoshells: A potential dual contrast agent for MRI-guided localized near-IR photothermal therapy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14