

George Keefe Larsen

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fe_2O_3 Nanocolumns and Nanorods Fabricated by Electron Beam Evaporation for Visible Light Photocatalytic and Antimicrobial Applications. ACS Applied Materials & Interfaces, 2013, 5, 2085-2095.	8.0	105
2	Tunable Three-Dimensional Helically Stacked Plasmonic Layers on Nanosphere Monolayers. Nano Letters, 2014, 14, 1976-1981.	9.1	84
3	Multifunctional Fe_2O_3 -Au Nanoparticles with Different Shapes: Enhanced Catalysis, Photothermal Effects, and Magnetic Recyclability. Journal of Physical Chemistry C, 2016, 120, 15162-15172.	3.1	78
4	Hidden Chirality in Superficially Racemic Patchy Silver Films. Nano Letters, 2013, 13, 6228-6232.	9.1	62
5	Scalable Fabrication of Composite Ti/Ag Plasmonic Helices: Controlling Morphology and Optical Activity by Tailoring Material Properties. Advanced Optical Materials, 2014, 2, 245-249.	7.3	50
6	Fe_2O_3 @ TiO_2 core-shell nanorod arrays for visible light photocatalytic applications. Catalysis Today, 2016, 270, 51-58.	4.4	46
7	Sub-second and ppm-level optical sensing of hydrogen using templated control of nano-hydride geometry and composition. Nature Communications, 2021, 12, 2414.	12.8	40
8	Ultrafast Charge Transfer Dynamics in Polycrystalline CdSe/ TiO_2 Nanorods Prepared by Oblique Angle Codeposition. Journal of Physical Chemistry C, 2012, 116, 5033-5041.	3.1	39
9	The fabrication of three-dimensional plasmonic chiral structures by dynamic shadowing growth. Nanoscale, 2014, 6, 9467.	5.6	35
10	Structural, Optical, and Photocatalytic Properties of Cr: TiO_2 Nanorod Array Fabricated by Oblique Angle Codeposition. Journal of Physical Chemistry C, 2011, 115, 16892-16903.	3.1	34
11	Tilting angle of nanocolumnar films fabricated by oblique angle deposition. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, 030606.	1.2	27
12	Nanostructured homogenous CdSe@ TiO_2 composite visible light photoanodes fabricated by oblique angle codeposition. Journal of Materials Chemistry, 2012, 22, 14205.	6.7	26
13	Origin of Rashba Spin-Orbit Coupling in 2D and 3D Lead Iodide Perovskites. Scientific Reports, 2020, 10, 4964.	3.3	23
14	Extracting the anisotropic optical parameters of chiral plasmonic nanostructured thin films using generalized ellipsometry. Applied Physics Letters, 2014, 105, .	3.3	19
15	Nanoscale Conical Swiss Roll with Broadband Visible and NIR Circular Dichroism. Advanced Optical Materials, 2015, 3, 342-346.	7.3	19
16	Controlled Release of Hydrogen Isotopes from Hydride-Magnetic Nanomaterials. ACS Applied Materials & Interfaces, 2020, 12, 9478-9488.	8.0	18
17	Anisotropic resistivity of tilted silver nanorod arrays: Experiments and modeling. Applied Physics Letters, 2013, 102, .	3.3	15
18	Nanoparticle Treated Stainless Steel Filters for Metal Vapor Sequestration. Jom, 2017, 69, 162-172.	1.9	15

#	ARTICLE	IF	CITATIONS
19	Multifunctional Hybrid Fe ₂ O ₃ -Au Nanoparticles for Efficient Plasmonic Heating. Journal of Visualized Experiments, 2016, , 53598.	0.3	12
20	Bilayer plasmonic nano-lattices for tunable hydrogen sensing platform. Nano Energy, 2020, 71, 104558.	16.0	12
21	Large circular dichroism and optical rotation in titanium doped chiral silver nanorods. Annalen Der Physik, 2016, 528, 677-683.	2.4	10
22	Designed to Fail: Flexible, Anisotropic Silver Nanorod Sheets for Low-Cost Wireless Activity Monitoring. Journal of Physical Chemistry C, 2016, 120, 14969-14976.	3.1	6
23	An Evaluation of the Global Effects of Tritium Emissions from Nuclear Fusion Power. Fusion Engineering and Design, 2020, 158, 111690.	1.9	6
24	Magnetically tunable organic semiconductors with superparamagnetic nanoparticles. Materials Horizons, 2019, 6, 1913-1922.	12.2	5
25	Pd ₈₀ Co ₂₀ Nanohole Arrays Coated with Poly(methyl methacrylate) for High-Speed Hydrogen Sensing with a Part-per-Billion Detection Limit. ACS Applied Nano Materials, 2021, 4, 3664-3674.	5.0	5
26	Continuously tuning the spectral response of chiral plasmonic patchy particles through galvanic replacement reaction. RSC Advances, 2015, 5, 101257-101261.	3.6	4
27	Buckle-driven delamination of hydrophobic micro-, nano-, and heterostructured membranes without a sacrificial layer. Nanoscale, 2013, 5, 10853.	5.6	3
28	Investigating the application of Kalman Filters for real-time accountancy in fusion fuel cycles. Fusion Engineering and Design, 2022, 176, 113037.	1.9	3
29	Water Processing for Isotope Recovery Using Porous Zero Valent Iron. Fusion Science and Technology, 2020, 76, 13-20.	1.1	2
30	Plasmonic sensing of hydrogen in Pd nano-hole arrays. , 2019, , .		2
31	Nanoscale Materials: Fundamentals and Emergent Properties. Nanostructure Science and Technology, 2017, , 7-28.	0.1	1
32	Synthetic Strategies for Anisotropic and Shape-Selective Nanomaterials. Nanostructure Science and Technology, 2017, , 29-77.	0.1	1
33	Preventing Tritium Memory Effects in Ion Chambers Using Ultraviolet LEDs. IEEE Transactions on Nuclear Science, 2022, 69, 1092-1097.	2.0	1
34	Porous Iron oxide nanorods and their photothermal applications. , 2016, , .		0
35	Tritium Contamination Prevention Using Sacrificial Materials. Fusion Science and Technology, 2017, 71, 628-633.	1.1	0
36	Characterization of Anisotropic and Shape-Selective Nanomaterials: Methods and Challenges. Nanostructure Science and Technology, 2017, , 79-101.	0.1	0