

# George Keefe Larsen

## List of Publications by Year in descending order

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36  
papers

808  
citations

516710

16  
h-index

501196

28  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the application of Kalman Filters for real-time accountancy in fusion fuel cycles. Fusion Engineering and Design, 2022, 176, 113037.	1.9	3
2	Preventing Tritium Memory Effects in Ion Chambers Using Ultraviolet LEDs. IEEE Transactions on Nuclear Science, 2022, 69, 1092-1097.	2.0	1
3	Pd <sub>80</sub> Co <sub>20</sub> 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
4	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
5	Water Processing for Isotope Recovery Using Porous Zero Valent Iron. Fusion Science and Technology, 2020, 76, 13-20.	1.1	2
6	An Evaluation of the Global Effects of Tritium Emissions from Nuclear Fusion Power. Fusion Engineering and Design, 2020, 158, 111690.	1.9	6
7	Origin of Rashba Spin-Orbit Coupling in 2D and 3D Lead Iodide Perovskites. Scientific Reports, 2020, 10, 4964.	3.3	23
8	Bilayer plasmonic nano-lattices for tunable hydrogen sensing platform. Nano Energy, 2020, 71, 104558.	16.0	12
9	Controlled Release of Hydrogen Isotopes from Hydride-Magnetic Nanomaterials. ACS Applied Materials & Interfaces, 2020, 12, 9478-9488.	8.0	18
10	Magnetically tunable organic semiconductors with superparamagnetic nanoparticles. Materials Horizons, 2019, 6, 1913-1922.	12.2	5
11	Plasmonic sensing of hydrogen in Pd nano-hole arrays. , 2019, , .		2
12	Nanoparticle Treated Stainless Steel Filters for Metal Vapor Sequestration. Jom, 2017, 69, 162-172.	1.9	15
13	Tritium Contamination Prevention Using Sacrificial Materials. Fusion Science and Technology, 2017, 71, 628-633.	1.1	0
14	Nanoscale Materials: Fundamentals and Emergent Properties. Nanostructure Science and Technology, 2017, , 7-28.	0.1	1
15	Characterization of Anisotropic and Shape-Selective Nanomaterials: Methods and Challenges. Nanostructure Science and Technology, 2017, , 79-101.	0.1	0
16	Synthetic Strategies for Anisotropic and Shape-Selective Nanomaterials. Nanostructure Science and Technology, 2017, , 29-77.	0.1	1
17	Large circular dichroism and optical rotation in titanium doped chiral silver nanorods. Annalen Der Physik, 2016, 528, 677-683.	2.4	10
18	Porous Iron oxide nanorods and their photothermal applications. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Multifunctional Hybrid Fe <sub>2</sub> O <sub>3</sub> -Au Nanoparticles for Efficient Plasmonic Heating. <i>Journal of Visualized Experiments</i> , 2016, , 53598.	0.3	12
20	Multifunctional Fe <sub>2</sub> O <sub>3</sub> -Au Nanoparticles with Different Shapes: Enhanced Catalysis, Photothermal Effects, and Magnetic Recyclability. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15162-15172.	3.1	78
21	Designed to Fail: Flexible, Anisotropic Silver Nanorod Sheets for Low-Cost Wireless Activity Monitoring. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14969-14976.	3.1	6
22	Fe <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> core-shell nanorod arrays for visible light photocatalytic applications. <i>Catalysis Today</i> , 2016, 270, 51-58.	4.4	46
23	Nanoscale Conical Swiss Roll with Broadband Visible and NIR Circular Dichroism. <i>Advanced Optical Materials</i> , 2015, 3, 342-346.	7.3	19
24	Continuously tuning the spectral response of chiral plasmonic patchy particles through galvanic replacement reaction. <i>RSC Advances</i> , 2015, 5, 101257-101261.	3.6	4
25	Extracting the anisotropic optical parameters of chiral plasmonic nanostructured thin films using generalized ellipsometry. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	19
26	Scalable Fabrication of Composite Ti/Ag Plasmonic Helices: Controlling Morphology and Optical Activity by Tailoring Material Properties. <i>Advanced Optical Materials</i> , 2014, 2, 245-249.	7.3	50
27	The fabrication of three-dimensional plasmonic chiral structures by dynamic shadowing growth. <i>Nanoscale</i> , 2014, 6, 9467.	5.6	35
28	Tunable Three-Dimensional Helically Stacked Plasmonic Layers on Nanosphere Monolayers. <i>Nano Letters</i> , 2014, 14, 1976-1981.	9.1	84
29	Buckle-driven delamination of hydrophobic micro-, nano-, and heterostructured membranes without a sacrificial layer. <i>Nanoscale</i> , 2013, 5, 10853.	5.6	3
30	Anisotropic resistivity of tilted silver nanorod arrays: Experiments and modeling. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	15
31	±-Fe <sub>2</sub> O <sub>3</sub> Nanocolumns and Nanorods Fabricated by Electron Beam Evaporation for Visible Light Photocatalytic and Antimicrobial Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 2085-2095.	8.0	105
32	Hidden Chirality in Superficially Racemic Patchy Silver Films. <i>Nano Letters</i> , 2013, 13, 6228-6232.	9.1	62
33	Tilting angle of nanocolumnar films fabricated by oblique angle deposition. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012, 30, 030606.	1.2	27
34	Nanostructured homogenous CdSe-TiO <sub>2</sub> composite visible light photoanodes fabricated by oblique angle codeposition. <i>Journal of Materials Chemistry</i> , 2012, 22, 14205.	6.7	26
35	Ultrafast Charge Transfer Dynamics in Polycrystalline CdSe/TiO <sub>2</sub> Nanorods Prepared by Oblique Angle Codeposition. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5033-5041.	3.1	39
36	Structural, Optical, and Photocatalytic Properties of Cr:TiO <sub>2</sub> Nanorod Array Fabricated by Oblique Angle Codeposition. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16892-16903.	3.1	34