

# Halldor Gudfinnur Svavarsson

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

367  
citations

1163117

8  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

817  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iodine Migration and Degradation of Perovskite Solar Cells Enhanced by Metallic Electrodes. Journal of Physical Chemistry Letters, 2016, 7, 5168-5175.	4.6	225
2	The effect of high pH on structural lipids in diatoms. Journal of Applied Phycology, 2013, 25, 1435-1439.	2.8	27
3	SiGe nanocrystals in SiO <sub>2</sub> with high photosensitivity from visible to short-wave infrared. Scientific Reports, 2020, 10, 3252.	3.3	21
4	Leaky-mode resonance photonics: an applications platform. Proceedings of SPIE, 2011, , .	0.8	19
5	Large arrays of ultra-high aspect ratio periodic silicon nanowires obtained via top-down route. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	12
6	Enhanced photoconductivity of SiGe nanocrystals in SiO <sub>2</sub> driven by mild annealing. Applied Surface Science, 2019, 469, 870-878.	6.1	12
7	Enhanced photoconductivity of embedded SiGe nanoparticles by hydrogenation. Applied Surface Science, 2019, 479, 403-409.	6.1	11
8	Efficacy of annealing and fabrication parameters on photo-response of SiGe in TiO <sub>2</sub> matrix. Nanotechnology, 2019, 30, 365604.	2.6	8
9	Fabrication of Large Plasmonic Arrays of Gold Nanocups Using Inverse Periodic Templates. Plasmonics, 2011, 6, 741-744.	3.4	5
10	Fabrication and characterization of Si <sub>1-x</sub> Ge <sub>x</sub> nanocrystals in as-grown and annealed structures: a comparative study. Beilstein Journal of Nanotechnology, 2019, 10, 1873-1882.	2.8	5
11	Structural and photoluminescence study of TiO <sub>2</sub> layer with self-assembled Si <sub>1-x</sub> Ge <sub>x</sub> nanoislands. Journal of Applied Physics, 2020, 128, .	2.5	5
12	Adsorption applications of unmodified geothermal silica. Geothermics, 2014, 50, 30-34.	3.4	4
13	Fabrication and Characterization of Large, Perfectly Periodic Arrays of Metallic Nanocups. Plasmonics, 2012, 7, 653-657.	3.4	3
14	Carbon dioxide from geothermal gas converted to biomass by cultivating coccoid cyanobacteria. Environmental Technology (United Kingdom), 2018, 39, 2097-2104.	2.2	3
15	Refractometric Sensing with Periodic Nano-Indented Arrays: Effect of Structural Dimensions. Sensors, 2019, 19, 897.	3.8	3
16	Enhanced photoemission from surface modulated GaAs:Ge. Nano Select, 0, , .	3.7	3
17	Solid-state dewetting of silver-thin films: self-assembled nano-geometries. IOP SciNotes, 2020, 1, 035203.	0.8	1
18	Fabrication of nano-imprinted resonant structures for thin-film solar cell applications. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Resonance-based nanophotonic device technology: Filters, reflectors, and absorbers. , 2016, , .		0
20	Hydrogenated silicon films for low-loss resonant reflectors operating in the visible region. , 2020, , .		0