

Simon A Svatek

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,367
citations

759233

12
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752698

20
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28
all docs

28
docs citations

28
times ranked

2636
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Bandgap of Exfoliated InSe Nanosheets by Quantum Confinement. <i>Advanced Materials</i> , 2013, 25, 5714-5718.	21.0	512
2	High Broadband Photoresponsivity of Mechanically Formed InSe/Graphene van der Waals Heterostructures. <i>Advanced Materials</i> , 2015, 27, 3760-3766.	21.0	320
3	Two Vernier-Templated Routes to a 24-Porphyrin Nanoring. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6696-6699.	13.8	87
4	Room Temperature Electroluminescence from Mechanically Formed van der Waals III-VI Homojunctions and Heterojunctions. <i>Advanced Optical Materials</i> , 2014, 2, 1064-1069.	7.3	71
5	Ligand-Induced Control of Photoconductive Gain and Doping in a Hybrid Graphene/Quantum Dot Transistor. <i>Advanced Electronic Materials</i> , 2015, 1, 1500062.	5.1	59
6	Gate tunable photovoltaic effect in MoS ₂ vertical p-n homostructures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 854-861.	5.5	50
7	Highly responsive UV-photodetectors based on single electrospun TiO ₂ nanofibres. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10707-10714.	5.5	41
8	van der Waals-Induced Chromatic Shifts in Hydrogen-Bonded Two-Dimensional Porphyrin Arrays on Boron Nitride. <i>ACS Nano</i> , 2015, 9, 10347-10355.	14.6	40
9	Mechanical Stiffening of Porphyrin Nanorings through Supramolecular Columnar Stacking. <i>Nano Letters</i> , 2013, 13, 3391-3395.	9.1	34
10	High open-circuit voltage in transition metal dichalcogenide solar cells. <i>Nano Energy</i> , 2021, 79, 105427.	16.0	31
11	Adsorbate-Induced Curvature and Stiffening of Graphene. <i>Nano Letters</i> , 2015, 15, 159-164.	9.1	24
12	Bimolecular porous supramolecular networks deposited from solution on layered materials: graphite, boron nitride and molybdenum disulphide. <i>Chemical Communications</i> , 2014, 50, 8882-8885.	4.1	23
13	Graphene-InSe-graphene van der Waals heterostructures. <i>Journal of Physics: Conference Series</i> , 2015, 647, 012001.	0.4	11
14	Triplet Excitation and Electroluminescence from a Supramolecular Monolayer Embedded in a Boron Nitride Tunnel Barrier. <i>Nano Letters</i> , 2020, 20, 278-283.	9.1	9
15	Fluorescence and Electroluminescence of J-Aggregated Polythiophene Monolayers on Hexagonal Boron Nitride. <i>ACS Nano</i> , 2020, 14, 13886-13893.	14.6	9
16	Demonstrating the GaInP/GaAs Three-Terminal Heterojunction Bipolar Transistor Solar Cell. , 2019, , .		7
17	Considerations for the Design of a Heterojunction Bipolar Transistor Solar Cell. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 2-7.	2.5	7
18	Lithography-free electrical transport measurements on 2D materials by direct microprobing. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11252-11258.	5.5	6

#	ARTICLE	IF	CITATIONS
19	Progress in three-terminal heterojunction bipolar transistor solar cells. Progress in Photovoltaics: Research and Applications, 2022, 30, 843-850.	8.1	6
20	Photodiodes based in La _{0.7} Sr _{0.3} MnO ₃ /single layer MoS ₂ hybrid vertical heterostructures. 2D Materials, 2017, 4, 034002.	4.4	5
21	Two-Dimensional Diffusion of Excitons in a Perylene Diimide Monolayer Quenched by a Fullerene Heterojunction. Journal of Physical Chemistry C, 2019, 123, 12249-12254.	3.1	4
22	III-V-on-silicon triple-junction based on the heterojunction bipolar transistor solar cell concept. , 2020, , .		4
23	Inverted GaInP/GaAs Three-Terminal Heterojunction Bipolar Transistor Solar Cell. , 2020, , .		4
24	Potential of the three-terminal heterojunction bipolar transistor solar cell for space applications. , 2019, , .		2
25	Compensated contacts for three-terminal transistor solar cells. , 2021, , .		1
26	High open-circuit voltage Mos2 homojunction - effect of Schottky barriers at the contacts. , 2020, , .		0