

# Simon A Svatek

## List of Publications by Year in descending order

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26  
papers

1,367  
citations

759233

12  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in three-terminal heterojunction bipolar transistor solar cells. Progress in Photovoltaics: Research and Applications, 2022, 30, 843-850.	8.1	6
2	High open-circuit voltage in transition metal dichalcogenide solar cells. Nano Energy, 2021, 79, 105427.	16.0	31
3	Compensated contacts for three-terminal transistor solar cells. , 2021, , .		1
4	Triplet Excitation and Electroluminescence from a Supramolecular Monolayer Embedded in a Boron Nitride Tunnel Barrier. Nano Letters, 2020, 20, 278-283.	9.1	9
5	Considerations for the Design of a Heterojunction Bipolar Transistor Solar Cell. IEEE Journal of Photovoltaics, 2020, 10, 2-7.	2.5	7
6	Fluorescence and Electroluminescence of J-Aggregated Polythiophene Monolayers on Hexagonal Boron Nitride. ACS Nano, 2020, 14, 13886-13893.	14.6	9
7	High open-circuit voltage Mos2 homojunction - effect of Schottky barriers at the contacts. , 2020, , .		0
8	III-V-on-silicon triple-junction based on the heterojunction bipolar transistor solar cell concept. , 2020, , .		4
9	Inverted GaInP/GaAs Three-Terminal Heterojunction Bipolar Transistor Solar Cell. , 2020, , .		4
10	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
11	Demonstrating the GaInP/GaAs Three-Terminal Heterojunction Bipolar Transistor Solar Cell. , 2019, , .		7
12	Potential of the three-terminal heterojunction bipolar transistor solar cell for space applications. , 2019, , .		2
13	Gate tunable photovoltaic effect in MoS <sub>2</sub> vertical p-n homostructures. Journal of Materials Chemistry C, 2017, 5, 854-861.	5.5	50
14	Lithography-free electrical transport measurements on 2D materials by direct microprobing. Journal of Materials Chemistry C, 2017, 5, 11252-11258.	5.5	6
15	Photodiodes based in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /single layer MoS <sub>2</sub> hybrid vertical heterostructures. 2D Materials, 2017, 4, 034002.	4.4	5
16	Highly responsive UV-photodetectors based on single electrospun TiO <sub>2</sub> nanofibres. Journal of Materials Chemistry C, 2016, 4, 10707-10714.	5.5	41
17	High Broad-Band Photoresponsivity of Mechanically Formed InSe-Graphene van der Waals Heterostructures. Advanced Materials, 2015, 27, 3760-3766.	21.0	320
18	Ligand-Induced Control of Photoconductive Gain and Doping in a Hybrid Graphene-Quantum Dot Transistor. Advanced Electronic Materials, 2015, 1, 1500062.	5.1	59

#	ARTICLE	IF	CITATIONS
19	Graphene-InSe-graphene van der Waals heterostructures. Journal of Physics: Conference Series, 2015, 647, 012001.	0.4	11
20	van der Waals-Induced Chromatic Shifts in Hydrogen-Bonded Two-Dimensional Porphyrin Arrays on Boron Nitride. ACS Nano, 2015, 9, 10347-10355.	14.6	40
21	Adsorbate-Induced Curvature and Stiffening of Graphene. Nano Letters, 2015, 15, 159-164.	9.1	24
22	Room Temperature Electroluminescence from Mechanically Formed van der Waals III-VI Homojunctions and Heterojunctions. Advanced Optical Materials, 2014, 2, 1064-1069.	7.3	71
23	Bimolecular porous supramolecular networks deposited from solution on layered materials: graphite, boron nitride and molybdenum disulphide. Chemical Communications, 2014, 50, 8882-8885.	4.1	23
24	Tuning the Bandgap of Exfoliated InSe Nanosheets by Quantum Confinement. Advanced Materials, 2013, 25, 5714-5718.	21.0	512
25	Mechanical Stiffening of Porphyrin Nanorings through Supramolecular Columnar Stacking. Nano Letters, 2013, 13, 3391-3395.	9.1	34
26	Two Vernier-Templated Routes to a 24-Porphyrin Nanoring. Angewandte Chemie - International Edition, 2012, 51, 6696-6699.	13.8	87