

# Shyam Aravamudhan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2379530/publications.pdf>

Version: 2024-02-01

12  
papers

189  
citations

1307594

7  
h-index

1281871

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fused deposition modeling 3D printing of boron nitride composites for neutron radiation shielding. Journal of Materials Research, 2018, 33, 3657-3664.	2.6	36
2	Nanonet-nano fiber electrospun mesh of PCL-chitosan for controlled and extended release of diclofenac sodium. Nanoscale, 2020, 12, 23556-23569.	5.6	35
3	Quantification of defects engineered in single layer MoS <sub>2</sub> . RSC Advances, 2020, 10, 22996-23001.	3.6	25
4	Kinetics of Fischer-Tropsch Synthesis in a 3-D Printed Stainless Steel Microreactor Using Different Mesoporous Silica Supported Co-Ru Catalysts. Catalysts, 2019, 9, 872.	3.5	24
5	Fischer-Tropsch studies in a 3D-printed stainless steel microchannel microreactor coated with cobalt-based bimetallic-MCM-41 catalysts. Catalysis Today, 2020, 358, 303-315.	4.4	22
6	A New Low-Temperature Electrochemical Hydrocarbon and NO <sub>x</sub> Sensor. Sensors, 2017, 17, 2759.	3.8	11
7	Scale-up of high-pressure F-T synthesis in 3D printed stainless steel microchannel microreactors: Experiments and modeling. Catalysis Today, 2022, 397-399, 182-196.	4.4	9
8	Electrodynamic assisted self-assembled fibrous hydrogel microcapsules: a novel 3D <i>in vitro</i> platform for assessment of nanoparticle toxicity. RSC Advances, 2021, 11, 4921-4934.	3.6	8
9	Bandgap recovery of monolayer MoS <sub>2</sub> using defect engineering and chemical doping. RSC Advances, 2021, 11, 20893-20898.	3.6	7
10	Multidimensional Imaging Reveals Mechanisms Controlling Multimodal Label-Free Biosensing in Vertical 2DM-Heterostructures. ACS Nano, 2022, 16, 2598-2607.	14.6	7
11	Atomic Layer Deposition of Cobalt Catalyst for Fischer-Tropsch Synthesis in Silicon Microchannel Microreactor. Nanomaterials, 2022, 12, 2425.	4.1	4
12	Functionally Modified Composites for FDM 3D Printing. , 0, , .		1