Shyam Aravamudhan

List of Publications by Year
in descending order

12	189	1307594	1281871
papers	citations	7	11
		h-index	g-index

13	13	13	206
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Multidimensional Imaging Reveals Mechanisms Controlling Multimodal Label-Free Biosensing in Vertical 2DM-Heterostructures. ACS Nano, 2022, 16, 2598-2607.	14.6	7
3	Atomic Layer Deposition of Cobalt Catalyst for Fischer–Tropsch Synthesis in Silicon Microchannel Microreactor. Nanomaterials, 2022, 12, 2425.	4.1	4
4	Bandgap recovery of monolayer MoS_2 using defect engineering and chemical doping. RSC Advances, 2021, 11, 20893-20898.	3.6	7
5	Electrodynamic assisted self-assembled fibrous hydrogel microcapsules: a novel 3D *in vitro* platform for assessment of nanoparticle toxicity. RSC Advances, 2021, 11, 4921-4934.	3.6	8
6	Nanonet-nano fiber electrospun mesh of PCL–chitosan for controlled and extended release of diclofenac sodium. Nanoscale, 2020, 12, 23556-23569.	5.6	35
7	Quantification of defects engineered in single layer MoS_2. RSC Advances, 2020, 10, 22996-23001.	3.6	25
8	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
9	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
10	Fused deposition modeling 3D printing of boron nitride composites for neutron radiation shielding. Journal of Materials Research, 2018, 33, 3657-3664.	2.6	36
11	A New Low-Temperature Electrochemical Hydrocarbon and NOx Sensor. Sensors, 2017, 17, 2759.	3.8	11
12	Functionally Modified Composites for FDM 3D Printing. , 0, , .		1