David Barona

List of Publications by Year
in descending order

18	307	840776 11	888059 17
papers	citations	h-index	g-index

19	19	19	387
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Producing a superhydrophobic paper and altering its repellency through ink-jet printing. Lab on A Chip, 2011, 11, 936.	6.0	39
2	Amorphous pullulan trehalose microparticle platform for respiratory delivery. International Journal of Pharmaceutics, 2019, 563, 156-168.	5.2	35
3	A miniature, lowâ€power scientific fluxgate magnetometer: A steppingâ€stone to cubeâ€satellite constellation missions. Journal of Geophysical Research: Space Physics, 2016, 121, 11,839.	2.4	33
4	Macro-Raman spectroscopy for bulk composition and homogeneity analysis of multi-component pharmaceutical powders. Journal of Pharmaceutical and Biomedical Analysis, 2017, 141, 180-191.	2.8	32
5	Development of a formulation platform for a spray-dried, inhalable tuberculosis vaccine candidate. International Journal of Pharmaceutics, 2021, 593, 120121.	5.2	29
6	Multi-Solvent Microdroplet Evaporation: Modeling and Measurement of Spray-Drying Kinetics with Inhalable Pharmaceutics. Pharmaceutical Research, 2019, 36, 100.	3.5	23
7	Low-noise permalloy ring cores for fluxgate magnetometers. Geoscientific Instrumentation, Methods and Data Systems, 2019, 8, 227-240.	1.6	22
8	Microparticle encapsulation of a tuberculosis subunit vaccine candidate containing a nanoemulsion adjuvant via spray drying. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 163, 23-37.	4.3	22
9	Sprayable, Superhydrophobic, Electrically, and Thermally Conductive Coating. Advanced Materials Interfaces, 2021, 8, 1902110.	3.7	21
10	AN ATOMIZER TO GENERATE MONODISPERSE DROPLETS FROM HIGH VAPOR PRESSURE LIQUIDS. Atomization and Sprays, 2016, 26, 121-134.	0.8	13
11	Characterization of the suspension stability of pharmaceuticals using a shadowgraphic imaging method. International Journal of Pharmaceutics, 2018, 548, 128-138.	5.2	12
12	The effect of winding and core support material on the thermal gain dependence of aÂfluxgate magnetometer sensor. Geoscientific Instrumentation, Methods and Data Systems, 2017, 6, 377-396.	1.6	11
13	Development and Testing of a Spray-Dried Tuberculosis Vaccine Candidate in a Mouse Model. Frontiers in Pharmacology, 2021, 12, 799034.	3.5	6
14	The Experimental Albertan Satellite #1 (Ex-Alta 1) Cube-Satellite Mission. Space Science Reviews, 2020, 216, 1.	8.1	4
15	A hybrid fluxgate and search coil magnetometer concept using a racetrack core. Geoscientific Instrumentation, Methods and Data Systems, 2018, 7, 265-276.	1.6	2
16	Conductive Coating: Sprayable, Superhydrophobic, Electrically, and Thermally Conductive Coating (Adv. Mater. Interfaces 2/2021). Advanced Materials Interfaces, 2021, 8, 2170008.	3.7	2
17	Modulated Uniaxial Compression Analysis of Respirable Pharmaceutical Powders. KONA Powder and Particle Journal, 2021, 38, 209-225.	1.7	1
18	A Robust Superhydrophobic Surface for Digital Microfluidics. , 2011, , .		0