

# David Barona

## List of Publications by Year in descending order

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387  
citing authors

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