

Benjamin A Evans

List of Publications by Year in descending order

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12
papers

1,166
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

2138
citing authors

#	ARTICLE	IF	CITATIONS
1	Heating efficiency in magnetic nanoparticle hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 354, 163-172.	2.3	618
2	Photothermally and magnetically controlled reconfiguration of polymer composites for soft robotics. <i>Science Advances</i> , 2019, 5, eaaw2897.	10.3	173
3	Chained Iron Microparticles for Directionally Controlled Actuation of Soft Robots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11895-11901.	8.0	128
4	A highly tunable silicone-based magnetic elastomer with nanoscale homogeneity. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 501-507.	2.3	81
5	Reconfigurable Magnetic Origami Actuators with On-Board Sensing for Guided Assembly. <i>Advanced Materials</i> , 2021, 33, e2008751.	21.0	39
6	Highly controllable near-surface swimming of magnetic Janus nanorods: application to payload capture and manipulation. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 125001.	2.8	32
7	Non-monotonicity in the influence of nanoparticle concentration on SAR in magnetic nanoparticle hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 465, 559-565.	2.3	23
8	Photothermally Reconfigurable Shape Memory Magnetic Cilia. <i>Advanced Materials Technologies</i> , 2020, 5, 2000147.	5.8	22
9	Magnetically Aligned Nanorods in Alginate Capsules (MANiACs): Soft Matter Tumbling Robots for Manipulation and Drug Delivery. <i>Micromachines</i> , 2019, 10, 230.	2.9	19
10	High-permeability functionalized silicone magnetic microspheres with low autofluorescence for biomedical applications. <i>Materials Science and Engineering C</i> , 2016, 62, 860-869.	7.3	12
11	Soft Capsule Magnetic Millirobots for Region-Specific Drug Delivery in the Central Nervous System. <i>Frontiers in Robotics and AI</i> , 2021, 8, 702566.	3.2	10
12	Magnetically Responsive Negative Acoustic Contrast Microparticles for Bioanalytical Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25030-25035.	8.0	7