

Marta Pacheco Jerez

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

661
citations

758635

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710
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetocatalytic Graphene Quantum Dots Janus Micromotors for Bacterial Endotoxin Detection. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6957-6961.	7.2	195
2	Perspectives on Janus micromotors: Materials and applications. <i>Applied Materials Today</i> , 2017, 9, 407-418.	2.3	88
3	Visible-Light-Driven Janus Microvehicles in Biological Media. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18017-18024.	7.2	74
4	Self-propelled micromachines for analytical sensing: a critical review. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6561-6573.	1.9	62
5	Carbon nanotubes-ferrite-manganese dioxide micromotors for advanced oxidation processes in water treatment. <i>Environmental Science: Nano</i> , 2018, 5, 2993-3003.	2.2	53
6	Engineering Janus micromotors with WS ₂ and affinity peptides for turn-on fluorescent sensing of bacterial lipopolysaccharides. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112286.	5.3	38
7	Magnetocatalytic Graphene Quantum Dots Janus Micromotors for Bacterial Endotoxin Detection. <i>Angewandte Chemie</i> , 2017, 129, 7061-7065.	1.6	36
8	Chalcogenides-based Tubular Micromotors in Fluorescent Assays. <i>Analytical Chemistry</i> , 2020, 92, 9188-9193.	3.2	26
9	Design and Control of the Micromotor Swarm Toward Smart Applications. <i>Advanced Intelligent Systems</i> , 2021, 3, 2100002.	3.3	22
10	Lab-on-a-micromotor: catalytic Janus particles as mobile microreactors for tailored synthesis of nanoparticles. <i>Chemical Science</i> , 2018, 9, 8056-8064.	3.7	15
11	Functional coatings enable navigation of light-propelled micromotors in blood for effective biodegradation. <i>Nanoscale</i> , 2021, 13, 17106-17115.	2.8	15
12	Visible-Light-Driven Janus Microvehicles in Biological Media. <i>Angewandte Chemie</i> , 2019, 131, 18185-18192.	1.6	13
13	Transition metal dichalcogenide-based Janus micromotors for on-the-fly Salmonella detection. <i>Mikrochimica Acta</i> , 2022, 189, 194.	2.5	8
14	Microrobotic carrier with enzymatically encoded drug release in the presence of pancreatic cancer cells via programmed self-destruction. <i>Applied Materials Today</i> , 2022, 27, 101494.	2.3	8
15	Micellar Polymer Magnetic Microrobots as Efficient Nerve Agent Microcleaners. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26128-26134.	4.0	5
16	Design and Control of the Micromotor Swarm Toward Smart Applications. <i>Advanced Intelligent Systems</i> , 2021, 3, 2170052.	3.3	3