

Vinit Chugh

List of Publications by Year in descending order

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1478505

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1872680

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9
docs citations

9
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205
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Particle Spectroscopy: A Short Review of Applications Using Magnetic Nanoparticles. ACS Applied Nano Materials, 2020, 3, 4972-4989.	5.0	78
2	One-Step, Wash-free, Nanoparticle Clustering-Based Magnetic Particle Spectroscopy Bioassay Method for Detection of SARS-CoV-2 Spike and Nucleocapsid Proteins in the Liquid Phase. ACS Applied Materials & Interfaces, 2021, 13, 44136-44146.	8.0	35
3	Giant Magnetoresistance Biosensors in Biomedical Applications. ACS Applied Materials & Interfaces, 2022, 14, 9945-9969.	8.0	31
4	A Portable Magnetic Particle Spectrometer for Future Rapid and Wash-Free Bioassays. ACS Applied Materials & Interfaces, 2021, 13, 7966-7976.	8.0	17
5	Non-invasive heart rate monitoring system using giant magneto resistance sensor. , 2016, 2016, 4873-4876.		16
6	Magnetic nanoparticles and magnetic particle spectroscopy-based bioassays: a 15 year recap. Nano Futures, 2022, 6, 022001.	2.2	16
7	Magnetic Particle Spectroscopy with One-Stage Lock-In Implementation for Magnetic Bioassays with Improved Sensitivities. Journal of Physical Chemistry C, 2021, 125, 17221-17231.	3.1	8
8	Analysis of a GMR-based plethysmograph transducer and its utility for real-time Blood Pressure measurement. , 2017, 2017, 1704-1707.		7
9	Feasibility study of a giant Magneto-Resistance based respiration rate monitor. , 2016, 2016, 2327-2330.		6