

Fei Deng

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

254
citations

840119

11
h-index

940134

16
g-index

19
all docs

19
docs citations

19
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of coupling agents and ionic liquid on the properties of rice bran carbon/carboxylated styrene butadiene rubber composites. <i>Macromolecular Research</i> , 2015, 23, 952-959.	1.0	32
2	Synthesis and characterization of microcrystalline cellulose-graft-poly(methyl methacrylate) copolymers and their application as rubber reinforcements. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	21
3	CRISPR/Cas12a-powered immunosensor suitable for ultra-sensitive whole <i>Cryptosporidium</i> oocyst detection from water samples using a plate reader. <i>Water Research</i> , 2021, 203, 117553.	5.3	19
4	Effects of silane coupling agents on tribological properties of bentonite/nitrile butadiene rubber composites. <i>Polymer Composites</i> , 2017, 38, 2347-2357.	2.3	18
5	The properties of rice bran carbon/nitrile-butadiene rubber composites fabricated by latex compounding method. <i>Polymer Composites</i> , 2018, 39, E687.	2.3	18
6	Fabrication and characterization of rice bran carbon/styrene butadiene rubber composites fabricated by latex compounding method. <i>Polymer Composites</i> , 2017, 38, 2594-2602.	2.3	17
7	IFN- γ -induced signal-on fluorescence aptasensors: from hybridization chain reaction amplification to 3D optical fiber sensing interface towards a deployable device for cytokine sensing. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 872-881.	1.7	17
8	A CRISPR/Cas12a-assisted on-fibre immunosensor for ultrasensitive small protein detection in complex biological samples. <i>Analytica Chimica Acta</i> , 2022, 1192, 339351.	2.6	16
9	Molecularly imprinted polymer-based reusable biosensing device on stainless steel for spatially localized detection of cytokine IL-1 β . <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 277-283.	4.0	15
10	Graft copolymers of microcrystalline cellulose as reinforcing agent for elastomers based on natural rubber. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	13
11	A versatile CRISPR/Cas12a-based sensitivity amplifier suitable for commercial HRP-based ELISA kits. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130533.	4.0	13
12	Polymer brush based fluorescent immunosensor for direct monitoring of interleukin-1 β in rat blood. <i>Analyst</i> , 2019, 144, 5682-5690.	1.7	12
13	In vivo intrathecal IL-1 β quantification in rats: Monitoring the molecular signals of neuropathic pain. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 442-450.	2.0	12
14	Cellulose nanocrystals/poly(methyl methacrylate) nanocomposite films: Effect of preparation method and loading on the optical, thermal, mechanical, and gas barrier properties. <i>Polymer Composites</i> , 2017, 38, E137.	2.3	10
15	A simple and versatile CRISPR/Cas12a-based immunosensing platform: Towards attomolar level sensitivity for small protein diagnostics. <i>Talanta</i> , 2022, 246, 123469.	2.9	9
16	A Method for in Vivo Quantification Of Cytokine IL-1 β In The Rat Intrathecal Space. <i>ACS Applied Bio Materials</i> , 2020, 3, 539-546.	2.3	8
17	Synergistic reinforcing effects of molybdenum disulfide and bentonite in rubber based nanocomposites. <i>Journal of Vinyl and Additive Technology</i> , 2017, 23, E211.	1.8	2
18	A fluorescent immunosensor on optical fibre for the multiplex detection of proinflammatory cytokines. <i>Sensing and Bio-Sensing Research</i> , 2022, , 100501.	2.2	2

#	ARTICLE	IF	CITATIONS
19	A Simple and Versatile Crispr/Cas12a-Based Immunosensing Platform: Towards Attomolar Level Sensitivity for Small Protein Diagnostics. SSRN Electronic Journal, 0, , .	0.4	0