

Daekyung Sung

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

315
citations

933447

10
h-index

888059

17
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21
all docs

21
docs citations

21
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive oxygen species (ROS)-responsive ferrocene-polymer-based nanoparticles for controlled release of drugs. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1906-1913.	5.8	43
2	Facile Immobilization of Biomolecules onto Various Surfaces Using Epoxide-Containing Antibiofouling Polymers. <i>Langmuir</i> , 2012, 28, 4507-4514.	3.5	38
3	Toward immunoassay chips: Facile immobilization of antibodies on cyclic olefin copolymer substrates through pre-activated polymer adlayers. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3967-3972.	10.1	34
4	Facile Method for Selective Immobilization of Biomolecules on Plastic Surfaces. <i>Langmuir</i> , 2009, 25, 11289-11294.	3.5	32
5	<p>Potential Antioxidant and Wound Healing Effect of Nano-Liposomal with High Loading Amount of Astaxanthin</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9231-9240.	6.7	24
6	Facile method for constructing an effective electron transfer mediating layer using ferrocene-containing multifunctional redox copolymer. <i>Electrochimica Acta</i> , 2014, 133, 40-48.	5.2	18
7	Î±-Tocopherol-loaded reactive oxygen species-scavenging ferrocene nanocapsules with high antioxidant efficacy for wound healing. <i>International Journal of Pharmaceutics</i> , 2021, 596, 120205.	5.2	17
8	Electrospinning/Electrospray of Ferrocene Containing Copolymers to Fabricate ROS-Responsive Particles and Fibers. <i>Polymers</i> , 2020, 12, 2520.	4.5	15
9	Functional ferrocene polymer multilayer coatings for implantable medical devices: Biocompatible, antifouling, and ROS-sensitive controlled release of therapeutic drugs. <i>Acta Biomaterialia</i> , 2021, 125, 242-252.	8.3	15
10	High-density immobilization of antibodies onto nanobead-coated cyclic olefin copolymer plastic surfaces for application as a sensitive immunoassay chip. <i>Biomedical Microdevices</i> , 2013, 15, 691-698.	2.8	13
11	Antimicrobial Air Filter Coating with Plant Extracts Against Airborne Microbes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9120.	2.5	10
12	Novel fluorescein polymer-based nanoparticles: facile and controllable one-pot synthesis, assembly, and immobilization of biomolecules for application in a highly sensitive biosensor. <i>RSC Advances</i> , 2020, 10, 2998-3004.	3.6	10
13	Novel carboxylated ferrocene polymer nanocapsule with high reactive oxygen species sensitivity and on-demand drug release for effective cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111566.	5.0	10
14	Potential of non-thermal N ₂ plasma-treated buffer (NPB) for inhibiting plant pathogenic bacteria and enhancing food storage. <i>LWT - Food Science and Technology</i> , 2020, 125, 109210.	5.2	9
15	High Solubilization and Controlled Release of Paclitaxel Using Thermosponge Nanoparticles for Effective Cancer Therapy. <i>Pharmaceutics</i> , 2021, 13, 1150.	4.5	6
16	Facile Solvent-Free Preparation of Antioxidant Idebenone-Loaded Nanoparticles for Efficient Wound Healing. <i>Pharmaceutics</i> , 2022, 14, 521.	4.5	5
17	Enhanced Antibiofilm Effects of N ₂ Plasma-Treated Buffer Combined with Antimicrobial Hexapeptides Against Plant Pathogens. <i>Polymers</i> , 2020, 12, 1992.	4.5	4
18	Continuous synthesis of stable ferrocene nanoparticles using a self-aligned coaxial turbulent jet mixer. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 434-440.	5.8	4

#	ARTICLE	IF	CITATIONS
19	A Novel Polyvinylpyrrolidone-Stabilized Illite Microparticle with Enhanced Antioxidant and Antibacterial Effect. <i>Polymers</i> , 2021, 13, 4275.	4.5	4
20	Super-antibiofilm effect of N ₂ plasma treated buffer (NPB) against plant pathogenic bacterium. <i>Journal of Biological Engineering</i> , 2019, 13, 94.	4.7	3
21	Understanding the Redox Reaction of Self-Assembled Ferrocene-Containing Polymer Particle Comprising Ferrocenylmethyl Methacrylate- <i>co</i> -Methacrylic Acid Random Copolymers. <i>Journal of the Electrochemical Society</i> , 2020, 167, 136515.	2.9	1