

# Jun Hyuk Heo

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

775  
citations

840119

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887659

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18  
docs citations

18  
times ranked

1271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft, smart contact lenses with integrations of wireless circuits, glucose sensors, and displays. <i>Science Advances</i> , 2018, 4, eaap9841.	4.7	465
2	Simultaneous Stabilization and Functionalization of Gold Nanoparticles via Biomolecule Conjugation: Progress and Perspectives. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42311-42328.	4.0	45
3	Bioinspired Adenosine Triphosphate as an "All-In-One" Green Flame Retardant via Extremely Intumescent Char Formation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22935-22945.	4.0	37
4	Ultrastable-Stealth Large Gold Nanoparticles with DNA Directed Biological Functionality. <i>Langmuir</i> , 2015, 31, 13773-13782.	1.6	29
5	Natural bone-mimicking nanopore-incorporated hydroxyapatite scaffolds for enhanced bone tissue regeneration. <i>Biomaterials Research</i> , 2022, 26, 7.	3.2	27
6	A significant enhancement of color transition from an "off" type achromatic colorimetric nanosensor for highly sensitive multi-analyte detection with the naked eye. <i>Nanoscale</i> , 2016, 8, 18341-18351.	2.8	25
7	Surfactant-free nanoparticle-DNA complexes with ultrahigh stability against salt for environmental and biological sensing. <i>Analyst, The</i> , 2014, 139, 5936-5944.	1.7	20
8	Chemical effects of organo-silanized SiO <sub>2</sub> nanofillers on epoxy adhesives. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 184-189.	2.9	20
9	Achromatic "chromatic colorimetric sensors for "off" type detection of analytes. <i>Analyst, The</i> , 2014, 139, 6486-6493.	1.7	17
10	Portable Au Nanoparticle-Based Colorimetric Sensor Strip for Rapid On-Site Detection of Cd <sup>2+</sup> Ions in Potable Water. <i>Biochip Journal</i> , 2021, 15, 276-286.	2.5	17
11	A one-step colorimetric acid-base titration sensor using a complementary color changing coordination system. <i>Analyst, The</i> , 2016, 141, 3890-3897.	1.7	14
12	A Paper-Based Platform for Long-Term Deposition of Nanoparticles with Exceptional Redispersibility, Stability, and Functionality. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800483.	1.2	14
13	Nanoparticles as Next-Generation Tooth-Whitening Agents: Progress and Perspectives. <i>ACS Nano</i> , 2022, 16, 10042-10065.	7.3	12
14	Enhancement in the adhesion properties of polycarbonate surfaces through chemical functionalization with organosilicon coupling agents. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 17773-17779.	1.1	10
15	The Effect of $\zeta$ -Potential and Hydrodynamic Size on Nanoparticle Interactions in Hydrogels. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800292.	1.2	10
16	Stability of a Gold Nanoparticle-DNA System in Seawater. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 7254-7258.	0.9	6
17	Progress and perspectives of metal-ion-substituted hydroxyapatite for bone tissue engineering: comparison with hydroxyapatite. <i>Journal of the Korean Ceramic Society</i> , 2022, 59, 271-288.	1.1	6
18	Optical DNA Based Sensors for Cervical Cancers. , 2021, , 71-83.		1