

Jenny Aveyard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/905174/publications.pdf>

Version: 2024-02-01

20
papers

3,403
citations

840119

11
h-index

839053

18
g-index

20
all docs

20
docs citations

20
times ranked

6422
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Determination of Size and Concentration of Gold Nanoparticles from UV-Vis Spectra. <i>Analytical Chemistry</i> , 2007, 79, 4215-4221. | 3.2 | 3,008 |
| 2 | Modified Mesoporous Silica Nanoparticles with a Dual Synergetic Antibacterial Effect. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38364-38372. | 4.0 | 64 |
| 3 | One step visual detection of PCR products with gold nanoparticles and a nucleic acid lateral flow (NALF) device. <i>Chemical Communications</i> , 2007, , 4251. | 2.2 | 58 |
| 4 | Gold and silver nanoparticles functionalized with known numbers of oligonucleotides per particle for DNA detection. <i>Chemical Communications</i> , 2004, , 2804. | 2.2 | 50 |
| 5 | One molecule per particle method for functionalising nanoparticles. Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b4/b402786h/ . <i>Chemical Communications</i> , 2004, , 1156. | 2.2 | 36 |
| 6 | Linker-free covalent immobilization of nisin using atmospheric pressure plasma induced grafting. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2500-2510. | 2.9 | 32 |
| 7 | Antimicrobial Nitric Oxide Releasing Contact Lens Gels for the Treatment of Microbial Keratitis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37491-37501. | 4.0 | 30 |
| 8 | Nitric Oxide Releasing Polymeric Coatings for the Prevention of Biofilm Formation. <i>Polymers</i> , 2017, 9, 601. | 2.0 | 29 |
| 9 | Nitric Oxide Releasing Titanium Surfaces for Antimicrobial Bone-Integrating Orthopedic Implants. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22433-22443. | 4.0 | 23 |
| 10 | Improving the Sensitivity of Immunoassays by Tuning Gold Nanoparticles to the Tipping Point. <i>Analytical Chemistry</i> , 2008, 80, 6001-6005. | 3.2 | 16 |
| 11 | Modification of heat-induced whey protein isolate hydrogel with highly bioactive glass particles results in promising biomaterial for bone tissue engineering. <i>Materials and Design</i> , 2021, 205, 109749. | 3.3 | 14 |
| 12 | Actin Filament Motility Induced Variation of Resonance Frequency and Rigidity of Polymer Surfaces Studied by Quartz Crystal Microbalance. <i>Langmuir</i> , 2012, 28, 15033-15037. | 1.6 | 9 |
| 13 | Dairy-Inspired Coatings for Bone Implants from Whey Protein Isolate-Derived Self-Assembled Fibrils. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5544. | 1.8 | 8 |
| 14 | Antimicrobial Nitric Oxide-Releasing Electrospun Dressings for Wound Healing Applications. <i>ACS Materials Au</i> , 2022, 2, 190-203. | 2.6 | 8 |
| 15 | Surface-Controlled Properties of Myosin Studied by Electric Field Modulation. <i>Langmuir</i> , 2015, 31, 8354-8361. | 1.6 | 7 |
| 16 | Microfabricated magnetic bead polydimethylsiloxane microarrays. <i>Microelectronic Engineering</i> , 2010, 87, 760-764. | 1.1 | 5 |
| 17 | Effect of Polymer Demixed Nanotopographies on Bacterial Adhesion and Biofilm Formation. <i>Polymers</i> , 2019, 11, 1921. | 2.0 | 3 |
| 18 | Fluorescence Interference Contrast-enabled structures improve the microarrays performance. <i>Biosensors and Bioelectronics</i> , 2019, 123, 251-259. | 5.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Actin motility confinement on micro/nanostructured surfaces. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 20 | Electric field modulation of the motility of actin filaments on myosin-functionalised surfaces. , 2013, , . | | 0 |