

Gulen Yesilbag Tonga

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39 papers	1,923 citations	23 h-index	40 g-index
40 ext. papers	2,242 ext. citations	10.7 avg, IF	4.83 L-index

#	Paper	IF	Citations
39	In Vivo Editing of Macrophages through Systemic Delivery of CRISPR-Cas9-Ribonucleoprotein-Nanoparticle Nanoassemblies. <i>Advanced Therapeutics</i> , 2019 , 2, 1900041	4.9	16
38	Control of Intra- versus Extracellular Bioorthogonal Catalysis Using Surface-Engineered Nanozymes. <i>ACS Nano</i> , 2019 , 13, 229-235	16.7	39
37	Solubilization of Hydrophobic Catalysts Using Nanoparticle Hosts. <i>Small</i> , 2018 , 14, 1702198	11	15
36	CRISPRed Macrophages for Cell-Based Cancer Immunotherapy. <i>Bioconjugate Chemistry</i> , 2018 , 29, 445-450	10.3	57
35	Charge-Switchable Nanozymes for Bioorthogonal Imaging of Biofilm-Associated Infections. <i>ACS Nano</i> , 2018 , 12, 89-94	16.7	93
34	Cytocompatible Catalyst-Free Photodegradable Hydrogels for Light-Mediated RNA Release To Induce hMSC Osteogenesis. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2011-2023	5.5	16
33	Enhanced Laser Desorption/Ionization Mass Spectrometric Detection of Biomolecules Using Gold Nanoparticles, Matrix, and the Coffee Ring Effect. <i>Analytical Chemistry</i> , 2017 , 89, 3009-3014	7.8	26
32	Direct Cytosolic Delivery of CRISPR/Cas9-Ribonucleoprotein for Efficient Gene Editing. <i>ACS Nano</i> , 2017 , 11, 2452-2458	16.7	312
31	Programmed Self-Assembly of Hierarchical Nanostructures through Protein-Nanoparticle Coengineering. <i>ACS Nano</i> , 2017 , 11, 3456-3462	16.7	55
30	Sensing by Smell: Nanoparticle-Enzyme Sensors for Rapid and Sensitive Detection of Bacteria with Olfactory Output. <i>ACS Nano</i> , 2017 , 11, 5339-5343	16.7	30
29	General Strategy for Direct Cytosolic Protein Delivery via Protein-Nanoparticle Co-engineering. <i>ACS Nano</i> , 2017 , 11, 6416-6421	16.7	79
28	Cancer Cell Discrimination Using Host-Guest "Doubled" Arrays. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8008-8012	16.4	85
27	Gradient and Patterned Protein Films Stabilized via Nanoimprint Lithography for Engineered Interactions with Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42-46	9.5	14
26	Tuning DNA Condensation with Zwitterionic Polyamidoamine (zPAMAM) Dendrimers. <i>Macromolecules</i> , 2017 , 50, 8202-8211	5.5	8
25	Dual-Mode Mass Spectrometric Imaging for Determination of in Vivo Stability of Nanoparticle Monolayers. <i>ACS Nano</i> , 2017 , 11, 7424-7430	16.7	26
24	Rapid and ultrasensitive detection of endocrine disrupting chemicals using a nanosensor-enabled cell-based platform. <i>Chemical Communications</i> , 2017 , 53, 8794-8797	5.8	2
23	Photocleavable Hydrogels for Light-Triggered siRNA Release. <i>Advanced Healthcare Materials</i> , 2016 , 5, 305-310	10.1	37

22	Light-triggered RNA release and induction of hMSC osteogenesis via photodegradable, dual-crosslinked hydrogels. <i>Nanomedicine</i> , 2016 , 11, 1535-50	5.6	27
21	Chemically Engineered Nanoparticle-Protein Interface for Real-Time Cellular Oxidative Stress Monitoring. <i>Small</i> , 2016 , 12, 3775-9	11	15
20	Quantitative imaging of 2 nm monolayer-protected gold nanoparticle distributions in tissues using laser ablation inductively-coupled plasma mass spectrometry (LA-ICP-MS). <i>Analyst</i> , 2016 , 141, 2418-25	5.5	30
19	High Yield Synthesis of Aspect Ratio Controlled Graphenic Materials from Anthracite Coal in Supercritical Fluids. <i>ACS Nano</i> , 2016 , 10, 5293-303	16.7	51
18	Surface Charge Controls the Suborgan Biodistributions of Gold Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 5536-42	12.7	132
17	Supramolecular regulation of bioorthogonal catalysis in cells using nanoparticle-embedded transition metal catalysts. <i>Nature Chemistry</i> , 2015 , 7, 597-603	17.6	300
16	Binding Studies of Cucurbit[7]uril with Gold Nanoparticles Bearing Different Surface Functionalities. <i>Tetrahedron Letters</i> , 2015 , 56, 3653-3657	2	13
15	A multichannel nanosensor for instantaneous readout of cancer drug mechanisms. <i>Nature Nanotechnology</i> , 2015 , 10, 65-9	28.7	108
14	Regulating exocytosis of nanoparticles via host-guest chemistry. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 2474-2479	3.9	27
13	Probing the Protein-Nanoparticle Interface: The Role of Aromatic Substitution Pattern on Affinity. <i>Supramolecular Chemistry</i> , 2015 , 27, 123-126	1.8	3
12	Enhanced Laser Desorption/Ionization Mass Spectrometric Detection of Gold Nanoparticles in Biological Samples Using the Synergy between Added Matrix and the Gold Core. <i>Analytical Chemistry</i> , 2015 , 87, 12145-50	7.8	11
11	Inorganic Nanoparticles for Therapeutic Delivery: Trials, Tribulations and Promise. <i>Current Opinion in Colloid and Interface Science</i> , 2014 , 19, 49-55	7.6	38
10	Environmentally responsive histidine-carboxylate zipper formation between proteins and nanoparticles. <i>Nanoscale</i> , 2014 , 6, 8873-7	7.7	7
9	The role of surface functionality in nanoparticle exocytosis. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1200-1202	12.27	27
8	Mass spectrometric detection of nanoparticle host-guest interactions in cells. <i>Analytical Chemistry</i> , 2014 , 86, 6710-4	7.8	13
7	Rapid coating of surfaces with functionalized nanoparticles for regulation of cell behavior. <i>Advanced Materials</i> , 2014 , 26, 3310-4	24	23
6	25th anniversary article: interfacing nanoparticles and biology: new strategies for biomedicine. <i>Advanced Materials</i> , 2014 , 26, 359-70	24	96
5	Dendronized polystyrene via orthogonal double-click reactions. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 5029-5037	2.5	18

4	Recognition of glycosaminoglycan chemical patterns using an unbiased sensor array. <i>Chemical Science</i> , 2013 , 4, 2076	9.4	42
3	Characterization of surface ligands on functionalized magnetic nanoparticles using laser desorption/ionization mass spectrometry (LDI-MS). <i>Nanoscale</i> , 2013 , 5, 5063-6	7.7	21
2	Fluorescence resonance energy transfer in recognition-mediated polymer-quantum dot assemblies. <i>Polymer Chemistry</i> , 2012 , 3, 3072	4.9	3
1	Recognition-mediated assembly of quantum dot polymer conjugates with controlled morphology. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 6357-66	6.3	6