

# Dong-Hwan Kim

## 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.

133  
papers

8,402  
citations

41  
h-index

90  
g-index

139  
ext. papers

9,229  
ext. citations

8.3  
avg, IF

6.36  
L-index

#	Paper	IF	Citations
133	In situ polymerization of conducting polymers around living neural cells: Cellular effect study.. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 213, 112410	6	1
132	Upconversion Nanoparticles Coated with Mesoporous Silica Nanoshells Loaded with Dyes for Fine-Tuned Multicolor Emission in Bioimaging Applications. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 3541-3547	5.6	2
131	A comprehensive overview on alkaline phosphatase targeting and reporting assays. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 465, 214567	23.2	2
130	Multicolor diagnosis of salivary alkaline phosphatase triggered by silver-coated gold nanobipyramids. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 423	5.8	1
129	Fabrication of vertically aligned PEDOT nanotube arrays on microelectrodes to interface neurons. <i>Electrochimica Acta</i> , <b>2021</b> , 404, 139583	6.7	1
128	Synthesis of Schiff base-based cationic Gemini surfactants and evaluation of their effect on in-situ AgNPs preparation: Structure, catalytic, and biological activity study. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 326, 115342	6	6
127	Electrochemical Sweat Sensing: Engineering Materials for Electrochemical Sweat Sensing (Adv. Funct. Mater. 12/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170083	15.6	1
126	Correlation between local lattice environment and upconversion emission in Ho <sup>3+</sup> -doped CaHfO <sub>3</sub> in terms of substitution site dependence. <i>Optical Materials</i> , <b>2021</b> , 114, 110991	3.3	
125	Synthesis and evaluation of nonionic surfactants based on dimethylaminoethylamine: Electrochemical investigation and theoretical modeling as inhibitors during electropolishing in-ortho-phosphoric acid. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 328, 115421	6	12
124	Recent Advances to Augment NK Cell Cancer Immunotherapy Using Nanoparticles. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	5
123	Selective and sensitive colorimetric detection of p-aminophenol in human urine and paracetamol drugs based on seed-mediated growth of silver nanoparticles. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 22, 101517	7	6
122	Nanostructured PEDOT Coatings for Electrode-Neuron Integration.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 5556-5565	4.1	3
121	Continuous-wave upconversion lasing with a sub-10 W cm threshold enabled by atomic disorder in the host matrix. <i>Nature Communications</i> , <b>2021</b> , 12, 4437	17.4	3
120	Sensors Based Upon Nanowires, Nanotubes, and Nanoribbons: 2016-2020. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 124-166	7.8	15
119	Impact of hydrophobic tails of new phospho-zwitterionic surfactants on the structure, catalytic, and biological activities of AgNPs. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 94, 435-447	6.3	6
118	Engineering Materials for Electrochemical Sweat Sensing. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008130	13.6	27
117	Fabrication of Plasmon-Active Polymer-Nanoparticle Composites for Biosensing Applications. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2021</b> , 8, 945-954	3.8	5

116	Solid-state colorimetric polydiacetylene liposome biosensor sensitized by gold nanoparticles. <i>Analyst, The</i> , <b>2021</b> , 146, 1682-1688	5	2
115	Solid-phase colorimetric sensor for hypochlorite. <i>Analyst, The</i> , <b>2021</b> , 146, 2301-2306	5	4
114	Recent Advances in Aptamer Sensors. <i>Sensors</i> , <b>2021</b> , 21,	3.8	15
113	Smartphone-assisted point-of-care colorimetric biosensor for the detection of urea via pH-mediated AgNPs growth. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1170, 338630	6.6	9
112	Enhancing the Sensitivity of the Virus BioResistor by Overoxidation: Detecting IgG Antibodies. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 11259-11267	7.8	0
111	A colorimetric alkaline phosphatase biosensor based on p-aminophenol-mediated growth of silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 205, 111835	6	5
110	Molecular manipulation of PEDOT:PSS for efficient hole transport by incorporation of N-doped carbon quantum dots. <i>Dyes and Pigments</i> , <b>2021</b> , 194, 109610	4.6	3
109	Enhancing the output power density of polydimethylsiloxane-based flexible triboelectric nanogenerators with ultrathin nickel telluride nanobelts as a co-triboelectric layer. <i>Nano Energy</i> , <b>2021</b> , 90, 106536	17.1	5
108	Dual-Surfactant-Capped Ag Nanoparticles as a Highly Selective and Sensitive Colorimetric Sensor for Citrate Detection. <i>ACS Omega</i> , <b>2020</b> , 5, 10696-10703	3.9	17
107	The influence of the Gemini surfactants hydrocarbon tail on in-situ synthesis of silver nanoparticles: Characterization, surface studies and biological performance. <i>Korean Journal of Chemical Engineering</i> , <b>2020</b> , 37, 1008-1019	2.8	16
106	Template-mediated liquid quenching to expand the dimensions of bright green upconverters. <i>Springer Series in Emerging Cultural Perspectives in Work, Organizational, and Personnel Studies</i> , <b>2020</b> , 57, 98-105	1.3	
105	Metal-Organic Decomposition-Mediated Nanoparticulate Vanadium Oxide Hole Transporting Buffer Layer for Polymer Bulk-Heterojunction Solar Cells. <i>Polymers</i> , <b>2020</b> , 12,	4.5	3
104	Surfactants: Recent advances and their applications. <i>Composites Communications</i> , <b>2020</b> , 22, 100537	6.7	23
103	One-pot synthesis of highly stable and concentrated silver nanoparticles with enhanced catalytic activity. <i>Korean Journal of Chemical Engineering</i> , <b>2019</b> , 36, 988-995	2.8	17
102	Gas Sensor by Direct Growth and Functionalization of Metal Oxide/Metal Sulfide Core-Shell Nanowires on Flexible Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24298-24307	9.5	37
101	Improved gating device of time-of-flight ion mass analyzer for ion sources. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 033305	1.7	
100	Coherent power amplification of third-order harmonic femtosecond pulses at thin-film up-conversion nanoparticles. <i>Scientific Reports</i> , <b>2019</b> , 9, 5094	4.9	2
99	Tumor penetration of Sub-10 nm nanoparticles: effect of dendrimer properties on their penetration in multicellular tumor spheroids. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 21, 102059	6	21

98	Solid-phase colorimetric apta-biosensor for thrombin detection. <i>Thin Solid Films</i> , <b>2019</b> , 686, 137428	2.2	5
97	Ultrafast Single-Band Upconversion Luminescence in a Liquid-Quenched Amorphous Matrix. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800008	24	11
96	Broadband Plasmonic Antenna Enhanced Upconversion and Its Application in Flexible Fingerprint Identification. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701119	8.1	24
95	Surface-floating gold nanorod super-aggregates with macroscopic uniformity. <i>Nano Research</i> , <b>2018</b> , 11, 2379-2391	10	2
94	Universal one-pot, one-step synthesis of core-shell nanocomposites with self-assembled tannic acid shell and their antibacterial and catalytic activities. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45829	2.9	8
93	Systematic Investigation of the Wavelength-Dependent Upconversion Enhancement Induced by Single Plasmonic Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 13047-13053	3.8	5
92	Surface third and fifth harmonic generation at crystalline Si for non-invasive inspection of Si wafer's inter-layer defects. <i>Optics Express</i> , <b>2018</b> , 26, 32812-32823	3.3	8
91	Highly sensitive naked eye detection of Iron (III) and H <sub>2</sub> O <sub>2</sub> using poly-(tannic acid) (PTA) coated Au nanocomposite. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 155-161	8.5	13
90	Nanoplasmonic sensors for detecting circulating cancer biomarkers. <i>Advanced Drug Delivery Reviews</i> , <b>2018</b> , 125, 48-77	18.5	69
89	Ag containing porous Au structures as highly selective catalysts for glycolate and formate. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 874-881	5.5	12
88	Spectral and spatial characterization of upconversion luminescent nanocrystals as nanowaveguides. <i>Nanoscale</i> , <b>2017</b> , 9, 9238-9245	7.7	10
87	Nonlinear third harmonic generation at crystalline sapphires. <i>Optics Express</i> , <b>2017</b> , 25, 26002-26010	3.3	10
86	Nanoparticle polymer composites on solid substrates for plasmonic sensing applications. <i>Nano Today</i> , <b>2016</b> , 11, 415-434	17.9	45
85	Single plasmonic nanoparticles for ultrasensitive DNA sensing: From invisible to visible. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 266-72	11.8	24
84	Controlled size and morphology, and phase transition of YF <sub>3</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> and YOF:Yb <sup>3+</sup> ,Er <sup>3+</sup> nanocrystals for fine color tuning. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 331-339	7.1	33
83	Effect of Cd-phosphonate complex on the self-assembly structure of colloidal nanorods. <i>Materials Letters</i> , <b>2016</b> , 180, 85-88	3.3	10
82	Investigation of the size effect for photonic crystals. <i>Nanotechnology</i> , <b>2016</b> , 27, 405703	3.4	7
81	Shape-controlled synthesis of gold-silver bimetallic nanoparticles and their electrocatalytic properties. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 156, 1-8	4.4	12

80	Concave gold nanoparticle-based highly sensitive electrochemical IgG immunobiosensor for the detection of antibody-antigen interactions. <i>RSC Advances</i> , <b>2015</b> , 5, 58478-58484	3.7	20
79	Signal-on electrochemiluminescent aptasensors based on target controlled permeable films. <i>Chemical Communications</i> , <b>2015</b> , 51, 1035-8	5.8	45
78	Strategies for enhancing the sensitivity of plasmonic nanosensors. <i>Nano Today</i> , <b>2015</b> , 10, 213-239	17.9	283
77	Single-step synthesis of various distinct hierarchical Ag structures. <i>RSC Advances</i> , <b>2015</b> , 5, 84257-84262	3.7	3
76	A Strategy for the Formation of Gold-Palladium Supra-Nanoparticles from Gold Nanoparticles of Various Shapes and Their Application to High-Performance H <sub>2</sub> O <sub>2</sub> Sensing. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 26164-26170	3.8	36
75	Attomolar Level Detection of Raman Molecules with Hierarchical Silver Nanostructures Including Tiny Nanoparticles between Nanosized Gaps Generated in Silver Petals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 14793-800	9.5	14
74	Installing logic gates in permeability controllable polyelectrolyte-carbon nitride films for detecting proteases and nucleases. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 8851-7	7.8	40
73	Gold Nanowire Bundles Grown Radially Outward from Silicon Micropillars. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17582-6	9.5	29
72	A single-nanoparticle NO <sub>2</sub> gas sensor constructed using active molecular plasmonics. <i>Chemical Communications</i> , <b>2015</b> , 51, 1326-9	5.8	18
71	Large Upconversion Enhancement in the Islands-Au-Ag Alloy/NaYF <sub>4</sub> : Yb <sup>3+</sup> , Tm <sup>3+</sup> /Er <sup>3+</sup> Composite Films, and Fingerprint Identification. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 5462-5471	15.6	114
70	A facile method towards rough morphology polymer brush for increased mobility of embedded nanoparticles. <i>Polymer</i> , <b>2015</b> , 75, 57-63	3.9	5
69	Development of Localized Surface Plasmon Resonance-Based Point-of-Care System. <i>Plasmonics</i> , <b>2014</b> , 9, 835-844	2.4	13
68	Facile Synthesis of Graphene Quantum Dots from 3D Graphene and their Application for Fe <sup>3+</sup> Sensing. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3021-3026	15.6	377
67	Gold nanoparticle-graphite-like C <sub>3</sub> N <sub>4</sub> nanosheet nanohybrids used for electrochemiluminescent immunosensor. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4188-95	7.8	304
66	High-yield synthesis of triangular gold nanoplates with improved shape uniformity, tunable edge length and thickness. <i>Nanoscale</i> , <b>2014</b> , 6, 6496-500	7.7	70
65	In situ synthesis of protein-resistant poly(oligo(ethylene glycol)methacrylate) films in capillary for protein separation. <i>RSC Advances</i> , <b>2014</b> , 4, 4883	3.7	9
64	Heteroatom-doped graphene materials: syntheses, properties and applications. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 7067-98	58.5	1258
63	Covalently capped seed-mediated growth: a unique approach toward hierarchical growth of gold nanocrystals. <i>Nanoscale</i> , <b>2014</b> , 6, 6478-81	7.7	36

62	Multiplexed Biomolecular Detection Based on Single Nanoparticles Immobilized on Pneumatically Controlled Microfluidic Chip. <i>Plasmonics</i> , <b>2014</b> , 9, 801-807	2.4	7
61	Facile preparation of partially functionalized gold nanoparticles via a surfactant-assisted solid phase approach. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 409, 32-7	9.3	9
60	2D single- or double-layered vanadium oxide nanosheet assembled 3D microflowes: controlled synthesis, growth mechanism, and applications. <i>Nanoscale</i> , <b>2013</b> , 5, 7790-4	7.7	20
59	Solid-phase colorimetric sensor based on gold nanoparticle-loaded polymer brushes: lead detection as a case study. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 4094-9	7.8	77
58	Oriented gold nanoparticle aggregation for colorimetric sensors with surprisingly high analytical figures of merit. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 12338-45	16.4	253
57	Gold nanoparticles decorated reduced graphene oxide for detecting the presence and cellular release of nitric oxide. <i>Electrochimica Acta</i> , <b>2013</b> , 111, 441-446	6.7	58
56	Tunable scattered colors over a wide spectrum from a single nanoparticle. <i>Nanoscale</i> , <b>2013</b> , 5, 7772-5	7.7	29
55	Surface-enhanced Raman scattering substrate based on silver nanoparticle-deposited phospholipid multilayer. <i>Applied Surface Science</i> , <b>2013</b> , 287, 369-374	6.7	3
54	Computational modeling of proton exchange membrane fuel cells including gas-crossover behavior. <i>International Journal of Energy Research</i> , <b>2013</b> , 37, n/a-n/a	4.5	3
53	Physical immobilization of antibodies in densely grafted polymer brushes via spot-drying: towards optimal protein loading. <i>RSC Advances</i> , <b>2013</b> , 3, 9785	3.7	3
52	Colorimetric Sensors: Distance-Mediated Plasmonic Dimers for Reusable Colorimetric Switches: A Measurable Peak Shift of More than 60 nm (Small 2/2013). <i>Small</i> , <b>2013</b> , 9, 233-233	11	2
51	Waiting for innovations in periodontal disease diagnosis. <i>Journal of Periodontal and Implant Science</i> , <b>2013</b> , 43, 207-8	2	
50	Au nanorod decoration on NaYF <sub>4</sub> :Yb/Tm nanoparticles for enhanced emission and wavelength-dependent biomolecular sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3508-13	9.5	95
49	In vitro evaluation of dendrimer-polymer hybrid nanoparticles on their controlled cellular targeting kinetics. <i>Molecular Pharmaceutics</i> , <b>2013</b> , 10, 2157-66	5.6	38
48	A hierarchically structured composite of MnO <sub>2</sub> /3D graphene foam for flexible nonenzymatic biosensors. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 110-115	7.3	123
47	Enhanced emission of NaYF <sub>4</sub> :Yb,Er/Tm nanoparticles by selective growth of Au and Ag nanoshells. <i>RSC Advances</i> , <b>2013</b> , 3, 7718	3.7	35
46	Synthesis of Anisotropic Concave Gold Nanocuboids with Distinctive Plasmonic Properties. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 2470-2475	9.6	57
45	Electrodeposition of hierarchical MnO spheres for enzyme immobilization and glucose biosensing. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2696-2700	7.3	28

44	Graphene quantum dots as universal fluorophores and their use in revealing regulated trafficking of insulin receptors in adipocytes. <i>ACS Nano</i> , <b>2013</b> , 7, 6278-86	16.7	204
43	Fluorescent pH sensor based on Ag@SiO <sub>2</sub> core-shell nanoparticle. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5856-60	9.5	96
42	Distance-mediated plasmonic dimers for reusable colorimetric switches: a measurable peak shift of more than 60 nm. <i>Small</i> , <b>2013</b> , 9, 234-40	11	57
41	Highly sensitive electrochemical determination of neutrophil gelatinase-associated lipocalin for acute kidney injury. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 31, 32-6	11.8	21
40	LSPR biomolecular assay with high sensitivity induced by aptamer-antigen-antibody sandwich complex. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 31, 567-70	11.8	75
39	In-stacking: a strategy for 3D nanoparticle assembly in densely-grafted polymer brushes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 1274-1277		19
38	Finely dispersed single-walled carbon nanotubes for polysaccharide hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4610-5	9.5	16
37	Light-controlled synthesis of gold nanoparticles using a rigid, photoresponsive surfactant. <i>Nanoscale</i> , <b>2012</b> , 4, 6312-7	7.7	50
36	Temporal control over cellular targeting through hybridization of folate-targeted dendrimers and PEG-PLA nanoparticles. <i>Biomacromolecules</i> , <b>2012</b> , 13, 1223-30	6.9	43
35	Conductive artificial biofilm dramatically enhances bioelectricity production in <i>Shewanella</i> -inoculated microbial fuel cells. <i>Chemical Communications</i> , <b>2011</b> , 47, 12825-7	5.8	86
34	In situ assembly, regeneration and plasmonic immunosensing of a Au nanorod monolayer in a closed-surface flow channel. <i>Lab on A Chip</i> , <b>2011</b> , 11, 3299-304	7.2	34
33	An electrochemically formed three-dimensional structure of polypyrrole/graphene nanoplatelets for high-performance supercapacitors. <i>RSC Advances</i> , <b>2011</b> , 1, 1271	3.7	128
32	Nanoarray-based biomolecular detection using individual Au nanoparticles with minimized localized surface plasmon resonance variations. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 2605-12	7.8	64
31	Synthesis and self-assembly of highly monodispersed quasispherical gold nanoparticles. <i>Langmuir</i> , <b>2011</b> , 27, 13861-7	4	62
30	Selective and sensitive determination of dopamine by composites of polypyrrole and graphene modified electrodes. <i>Analyst, The</i> , <b>2011</b> , 136, 5134-8	5	98
29	Highly sensitive amperometric detection of bilirubin using enzyme and gold nanoparticles on sol-gel film modified electrode. <i>Talanta</i> , <b>2011</b> , 86, 400-7	6.2	35
28	Direct growth of highly branched crystalline Au nanostructures on an electrode surface: their surface enhanced Raman scattering and electrocatalytic applications. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18271		18
27	Hierarchically structured one-dimensional TiO <sub>2</sub> for protein immobilization, direct electrochemistry, and mediator-free glucose sensing. <i>ACS Nano</i> , <b>2011</b> , 5, 7617-26	16.7	190

26	Nanosphere dispersion on a large glass substrate by low dose ion implantation for localized surface plasmon resonance. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 2919-2927	2.3	2
25	Facile fabrication of distance-tunable Au-nanorod chips for single-nanoparticle plasmonic biosensors. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2246-51	11.8	46
24	Cellular response of RAW 264.7 to spray-coated multi-walled carbon nanotube films with various surfactants. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 96, 413-21	5.4	6
23	Dark-field microscopy studies of polarization-dependent plasmonic resonance of single gold nanorods: rainbow nanoparticles. <i>Nanoscale</i> , <b>2011</b> , 3, 3228-32	7.7	81
22	Reusable plasmonic aptasensors: using a single nanoparticle to establish a calibration curve and to detect analytes. <i>Chemical Communications</i> , <b>2011</b> , 47, 7125-7	5.8	30
21	Multilayered Polypyrrole-Coated Carbon Nanotubes To Improve Functional Stability and Electrical Properties of Neural Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 5492-5499	3.8	31
20	Highly stable and sensitive glucose biosensor based on covalently assembled high density Au nanostructures. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 3845-51	11.8	67
19	Three-dimensionally assembled gold nanostructures for plasmonic biosensors. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 5147-53	7.8	79
18	Mechanism study on inhibited Ru(bpy) <sub>3</sub> (2+) electrochemiluminescence between coreactants. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 12826-32	3.6	14
17	Influence of ionic strength and surfactant concentration on electrostatic surficial assembly of cetyltrimethylammonium bromide-capped gold nanorods on fully immersed glass. <i>Langmuir</i> , <b>2010</b> , 26, 12433-42	4	52
16	Conducting polymers on hydrogel-coated neural electrode provide sensitive neural recordings in auditory cortex. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 57-62	10.8	162
15	Simple Fabrication of Antibody Microarrays on Nonfouling Polymer Brushes with Femtomolar Sensitivity for Protein Analytes in Serum and Blood. <i>Advanced Materials</i> , <b>2009</b> , 21, 1968-1971	24	141
14	Capillary electrophoresis with electrochemiluminescent detection for highly sensitive assay of genetically modified organisms. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9578-84	7.8	30
13	Haptotactic gradients for directed cell migration: stimulation and inhibition using soluble factors. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2009</b> , 12, 598-603	1.3	14
12	Effect of Immobilized Nerve Growth Factor on Conductive Polymers: Electrical Properties and Cellular Response. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 79-86	15.6	229
11	Polymerization of the conducting polymer poly(3,4-ethylenedioxythiophene) (PEDOT) around living neural cells. <i>Biomaterials</i> , <b>2007</b> , 28, 1539-52	15.6	416
10	Response of monocytes exposed to phagocytosable particles and discs of comparable surface roughness. <i>Biomaterials</i> , <b>2007</b> , 28, 4231-9	15.6	13
9	The effect of covalently immobilized rhIL-1ra-ELP fusion protein on the inflammatory profile of LPS-stimulated human monocytes. <i>Biomaterials</i> , <b>2007</b> , 28, 3369-77	15.6	41



8	Conducting-Polymer Nanotubes for Controlled Drug Release. <i>Advanced Materials</i> , <b>2006</b> , 18, 405-409	24	730
7	Sustained release of dexamethasone from hydrophilic matrices using PLGA nanoparticles for neural drug delivery. <i>Biomaterials</i> , <b>2006</b> , 27, 3031-7	15.6	350
6	Ordered surfactant-templated poly(3,4-ethylenedioxythiophene) (PEDOT) conducting polymer on microfabricated neural probes. <i>Acta Biomaterialia</i> , <b>2005</b> , 1, 125-36	10.8	117
5	Conducting polymers grown in hydrogel scaffolds coated on neural prosthetic devices. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 71, 577-85		225
4	Composition and Crystallization of Hydroxyapatite Coating Layer Formed by Electron Beam Deposition. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 186-188	3.8	27
3	Hydroxyapatite-based composite for dental implants: an in vivo removal torque experiment. <i>Journal of Biomedical Materials Research Part B</i> , <b>2002</b> , 63, 714-21		15
2	Characterization of diamond-like carbon films deposited on commercially pure Ti and Ti6Al4V. <i>Materials Science and Engineering C</i> , <b>2002</b> , 22, 9-14	8.3	30
1	Biological performance of calcium phosphate films formed on commercially pure Ti by electron-beam evaporation. <i>Biomaterials</i> , <b>2002</b> , 23, 609-15	15.6	58