Jinhee Jo

List of Publications by Year in descending order

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160 papers	5,181 citations	71102 41 h-index	110387 64 g-index
168 all docs	168 docs citations	168 times ranked	7378 citing authors

#	Article	IF	Citations
1	Phototactic guidance of a tissue-engineered soft-robotic ray. Science, 2016, 353, 158-162.	12.6	534
2	CRISPR-Cas12a-Based Nucleic Acid Amplification-Free DNA Biosensor via Au Nanoparticle-Assisted Metal-Enhanced Fluorescence and Colorimetric Analysis. Nano Letters, 2021, 21, 693-699.	9.1	221
3	3D label-free prostate specific antigen (PSA) immunosensor based on grapheneâ€“gold composites. Biosensors and Bioelectronics, 2015, 63, 546-551.	10.1	165
4	Controlling Differentiation of Adipose-Derived Stem Cells Using Combinatorial Graphene Hybrid-Pattern Arrays. ACS Nano, 2015, 9, 3780-3790.	14.6	139
5	Electrochemical H2O2 biosensor composed of myoglobin on MoS2 nanoparticle-graphene oxide hybrid structure. Biosensors and Bioelectronics, 2017, 93, 14-20.	10.1	113
6	Application of Gold Nanoparticle to Plasmonic Biosensors. International Journal of Molecular Sciences, 2018, 19, 2021.	4.1	108
7	Multilevel Biomemory Device Consisting of Recombinant Azurin/Cytochrome c. Advanced Materials, 2010, 22, 510-514.	21.0	105
8	Development of a Microbe-Zeolite Carrier for the Effective Elimination of Heavy Metals from Seawater. Journal of Microbiology and Biotechnology, 2015, 25, 1542-1546.	2.1	89
9	Electrical Property of Graphene and Its Application to Electrochemical Biosensing. Nanomaterials, 2019, 9, 297.	4.1	88
10	Flexible electrochemical glucose biosensor based on GOx/gold/MoS2/gold nanofilm on the polymer electrode. Biosensors and Bioelectronics, 2019, 140, 111343.	10.1	83
11	Cell immobilization using self-assembled synthetic oligopeptide and its application to biological toxicity detection using surface plasmon resonanceâ˜†. Biosensors and Bioelectronics, 2005, 20, 2300-2305.	10.1	76
12	Three-dimensional crumpled graphene-based platinumâ€“gold alloy nanoparticle composites as superior electrocatalysts for direct methanol fuel cells. Carbon, 2015, 93, 869-877.	10.3	76
13	Silver nanoflowerâ€“reduced graphene oxide composite based micro-disk electrode for insulin detection in serum. Biosensors and Bioelectronics, 2016, 80, 307-314.	10.1	76
14	H2O2 biosensor consisted of hemoglobin-DNA conjugate on nanoporous gold thin film electrode with electrochemical signal enhancement. Nano Convergence, 2019, 6, 1.	12.1	75
15	Electrochemical Biosensor Composed of Silver Ionâ€Mediated dsDNA on Auâ€Encapsulated Bi₂Se₃ Nanoparticles for the Detection of H₂O₂ Released from Breast Cancer Cells. Small, 2018, 14, e1703970.	10.0	74
16	Surface-enhanced Raman spectroscopy detection of dopamine by DNA Targeting amplification assay in Parkisons's model. Biosensors and Bioelectronics, 2015, 67, 739-746.	10.1	72
17	Electrochemical Detection of Dopamine Using 3D Porous Graphene Oxide/Gold Nanoparticle Composites. Sensors, 2017, 17, 861.	3.8	72
18	Clustered Regularly Interspaced Short Palindromic Repeats-Mediated Amplification-Free Detection of Viral DNAs Using Surface-Enhanced Raman Spectroscopy-Active Nanoarray. ACS Nano, 2021, 15, 13475-13485.	14.6	71

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19	Highly Sensitive Biosensors Based on Biomolecules and Functional Nanomaterials Depending on the Types of Nanomaterials: A Perspective Review. Materials, 2020, 13, 299.	2.9	70
20	Application of Conducting Polymer Nanostructures to Electrochemical Biosensors. Molecules, 2020, 25, 307.	3.8	66
21	Nondestructive Characterization of Stem Cell Neurogenesis by a Magneto-Plasmonic Nanomaterial-Based Exosomal miRNA Detection. ACS Nano, 2019, 13, 8793-8803.	14.6	65
22	Largeâ€Scale Nanoelectrode Arrays to Monitor the Dopaminergic Differentiation of Human Neural Stem Cells. Advanced Materials, 2015, 27, 6356-6362.	21.0	63
23	Metal-Enhanced Fluorescence by Bifunctional Au Nanoparticles for Highly Sensitive and Simple Detection of Proteolytic Enzyme. Nano Letters, 2020, 20, 7100-7107.	9.1	60
24	Graphene-Based Materials for Stem Cell Applications. Materials, 2015, 8, 8674-8690.	2.9	59
25	Dual-Enhanced Raman Scattering-Based Characterization of Stem Cell Differentiation Using Graphene-Plasmonic Hybrid Nanoarray. Nano Letters, 2019, 19, 8138-8148.	9.1	59
26	Recent Advances in MXene Nanocomposite-Based Biosensors. Biosensors, 2020, 10, 185.	4.7	57
27	Silver Nanoparticle Modified Electrode Covered by Graphene Oxide for the Enhanced Electrochemical Detection of Dopamine. Sensors, 2017, 17, 2771.	3.8	56
28	General and programmable synthesis of hybrid liposome/metal nanoparticles. Science Advances, 2016, 2, e1601838.	10.3	55
29	Hybrid Grapheneâ€Gold Nanoparticleâ€Based Nucleic Acid Conjugates for Cancerâ€Specific Multimodal Imaging and Combined Therapeutics. Advanced Functional Materials, 2021, 31, 2006918.	14.9	55
30	Polyelectrolyte multilayer microcapsules: Self-assembly and toward biomedical applications. Biotechnology and Bioprocess Engineering, 2007, 12, 323-332.	2.6	52
31	Construction of RNAâ€“Quantum Dot Chimera for Nanoscale Resistive Biomemory Application. ACS Nano, 2015, 9, 6675-6682.	14.6	52
32	Overcoming Chemoresistance in Cancer via Combined MicroRNA Therapeutics with Anticancer Drugs Using Multifunctional Magnetic Coreâ€“Shell Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 26954-26963.	8.0	52
33	Nanotechnology in biodevices. Journal of Microbiology and Biotechnology, 2007, 17, 5-14.	2.1	51
34	Monitoring in vitro neural stem cell differentiation based on surface-enhanced Raman spectroscopy using a gold nanostar array. Journal of Materials Chemistry C, 2015, 3, 3848-3859.	5.5	50
35	Live cell biosensing platforms using graphene-based hybrid nanomaterials. Biosensors and Bioelectronics, 2017, 94, 485-499.	10.1	50
36	Selective isolation and noninvasive analysis of circulating cancer stem cells through Raman imaging. Biosensors and Bioelectronics, 2018, 102, 372-382.	10.1	50

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37	Nanoscale fabrication of biomolecular layer and its application to biodevices. Biotechnology and Bioprocess Engineering, 2004, 9, 76-85.	2.6	49
38	One-Step Synthesis of Pt-Nanoparticles-Laden Graphene Crumples by Aerosol Spray Pyrolysis and Evaluation of Their Electrocatalytic Activity. Aerosol Science and Technology, 2013, 47, 93-98.	3.1	48
39	Bifunctional Au@Bi₂Se₃ Coreâ€“Shell Nanoparticle for Synergetic Therapy by SERSâ€Traceable AntagomiR Delivery and Photothermal Treatment. Small, 2018, 14, e1802934.	10.0	47
40	In Situ Detection of Neurotransmitters from Stem Cell-Derived Neural Interface at the Single-Cell Level via Graphene-Hybrid SERS Nanobiosensing. Nano Letters, 2020, 20, 7670-7679.	9.1	46
41	Nondestructive Realâ€Time Monitoring of Enhanced Stem Cell Differentiation Using a Grapheneâ€Au Hybrid Nanoelectrode Array. Advanced Materials, 2018, 30, e1802762.	21.0	44
42	Magnetic Oleosome as a Functional Lipophilic Drug Carrier for Cancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 9301-9309.	8.0	42
43	Electrochemical Microbiosensor for Detecting COVID-19 in a Patient Sample Based on Gold Microcuboids Pattern. Biochip Journal, 2021, 15, 287-295.	4.9	42
44	Electrochemical Dopamine Biosensor Composed of Silver Encapsulated MoS2 Hybrid Nanoparticle. Biotechnology and Bioprocess Engineering, 2019, 24, 135-144.	2.6	41
45	Nanosheet composed of gold nanoparticle/graphene/epoxy resin based on ultrasonic fabrication for flexible dopamine biosensor using surface-enhanced Raman spectroscopy. Nano Convergence, 2020, 7, 15.	12.1	41
46	In situ monitoring of doxorubicin release from biohybrid nanoparticles modified with antibody and cell-penetrating peptides in breast cancer cells using surface-enhanced Raman spectroscopy. Biosensors and Bioelectronics, 2015, 71, 300-305.	10.1	39
47	Label-free detection of Î³-aminobutyric acid based on silicon nanowire biosensor. Nano Convergence, 2019, 6, 13.	12.1	39
48	Nano-scale probe fabrication using self-assembly technique and application to detection ofEscherichia coli O 157â^¶H7. Biotechnology and Bioprocess Engineering, 2003, 8, 227-232.	2.6	38
49	Electrochemical nitric oxide biosensor based on amine-modified MoS2/graphene oxide/myoglobin hybrid. Colloids and Surfaces B: Biointerfaces, 2017, 159, 729-736.	5.0	38
50	Nanostructured surfaces for analysis of anticancer drug and cell diagnosis based on electrochemical and SERS tools. Nano Convergence, 2018, 5, 11.	12.1	37
51	Protein Based Electrochemical Biosensors for H₂O₂ Detection Towards Clinical Diagnostics. Electroanalysis, 2014, 26, 1259-1276.	2.9	36
52	Flexible HIV-1 Biosensor Based on the Au/MoS2 Nanoparticles/Au Nanolayer on the PET Substrate. Nanomaterials, 2019, 9, 1076.	4.1	34
53	Fabrication of MERS-nanovesicle biosensor composed of multi-functional DNA aptamer/graphene-MoS2 nanocomposite based on electrochemical and surface-enhanced Raman spectroscopy. Sensors and Actuators B: Chemical, 2022, 352, 131060.	7.8	34
54	Fabrication of new single cell chip to monitor intracellular and extracellular redox state based on spectroelectrochemical method. Biomaterials, 2015, 40, 80-87.	11.4	33

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55	Magnetic-Assisted Cell Alignment within a Magnetic Nanoparticle-Decorated Reduced Graphene Oxide/Collagen 3D Nanocomposite Hydrogel. Nanomaterials, 2019, 9, 1293.	4.1	33
56	Noble Metal-Assisted Surface Plasmon Resonance Immunosensors. Sensors, 2020, 20, 1003.	3.8	33
57	Resistive switching biodevice composed of MoS2-DNA heterolayer on the gold electrode. Applied Surface Science, 2019, 478, 134-141.	6.1	28
58	Tumor Homing Reactive Oxygen Species Nanoparticle for Enhanced Cancer Therapy. ACS Applied Materials & Interfaces, 2019, 11, 23909-23918.	8.0	27
59	Polyaniline based catalase biosensor for the detection of hydrogen peroxide and azide. Biotechnology and Bioprocess Engineering, 2009, 14, 443-449.	2.6	26
60	In situ label-free quantification of human pluripotent stem cells with electrochemical potential. Biomaterials, 2016, 75, 250-259.	11.4	25
61	Electrochemical nucleic acid detection based on parallel structural dsDNA/recombinant azurin hybrid. Biosensors and Bioelectronics, 2017, 98, 292-298.	10.1	25
62	Graphene/MoS2 Nanohybrid for Biosensors. Materials, 2021, 14, 518.	2.9	25
63	Recombinant azurin-CdSe/ZnS hybrid structures for nanoscale resistive random access memory device. Biosensors and Bioelectronics, 2017, 90, 23-30.	10.1	24
64	Spectroelectrochemical detection of microRNA-155 based on functional RNA immobilization onto ITO/GNP nanopattern. Journal of Biotechnology, 2018, 274, 40-46.	3.8	24
65	Application of Plasmonic Gold Nanoparticle for Drug Delivery System. Current Drug Targets, 2018, 19, 271-278.	2.1	23
66	Fabrication of DNAâ€“protein conjugate layer on gold-substrate and its application to immunosensor. Colloids and Surfaces B: Biointerfaces, 2005, 40, 173-177.	5.0	22
67	Development of a HIV-1 Virus Detection System Based on Nanotechnology. Sensors, 2015, 15, 9915-9927.	3.8	22
68	High selective spectroelectrochemical biosensor for HCV-RNA detection based on a specific peptide nucleic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 217, 288-293.	3.9	22
69	Magnetic Control and Realâ€Time Monitoring of Stem Cell Differentiation by the Ligand Nanoassembly. Small, 2021, 17, e2102892.	10.0	22
70	Synthesis of 3D Silver-Graphene-Titanium Dioxide Composite via Aerosol Spray Pyrolysis for Sensitive Glucose Biosensor. Aerosol Science and Technology, 2015, 49, 538-546.	3.1	21
71	Nanomaterial-Based Fluorescence Resonance Energy Transfer (FRET) and Metal-Enhanced Fluorescence (MEF) to Detect Nucleic Acid in Cancer Diagnosis. Biomedicines, 2021, 9, 928.	3.2	21
72	Bioprocessing Device Composed of Protein/DNA/Inorganic Material Hybrid. Advanced Functional Materials, 2014, 24, 1781-1789.	14.9	20

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73	Engineered peptide-based nanobiomaterials for electrochemical cell chip. Nano Convergence, 2016, 3, 17.	12.1	20
74	Priming nanoparticle-guided diagnostics and therapeutics towards human organs-on-chips microphysiological system. Nano Convergence, 2016, 3, 24.	12.1	20
75	Multifunctional Nanobiohybrid Material Composed of Ag@Bi₂Se₃/RNA Three-Way Junction/miRNA/Retinoic Acid for Neuroblastoma Differentiation. ACS Applied Materials & Interfaces, 2019, 11, 8779-8788.	8.0	20
76	Controlled fabrication of gold nanobipyramids/polypyrrole for shell-isolated nanoparticle-enhanced Raman spectroscopy to detect Î³-aminobutyric acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117890.	3.9	20
77	Combinatorial biophysical cue sensor array for controlling neural stem cell fate. Biosensors and Bioelectronics, 2020, 156, 112125.	10.1	20
78	Ultrasensitive Electrochemical Detection of Mutated Viral RNAs with Single-Nucleotide Resolution Using a Nanoporous Electrode Array (NPEA). ACS Nano, 2022, 16, 5764-5777.	14.6	20
79	Electrical detection-based analytic biodevice technology. Biochip Journal, 2010, 4, 1-8.	4.9	19
80	In Vitro Bloodâ€“Brain Barrier-Integrated Neurological Disorder Models Using a Microfluidic Device. Micromachines, 2020, 11, 21.	2.9	19
81	Droplet-based Synthesis of Homogeneous Gold Nanoparticles for Enhancing HRP-based ELISA Signals. Biochip Journal, 2020, 14, 298-307.	4.9	19
82	Nano-Biosensor for Monitoring the Neural Differentiation of Stem Cells. Nanomaterials, 2016, 6, 224.	4.1	18
83	Microfluidic Chip-Based Cancer Diagnosis and Prediction of Relapse by Detecting Circulating Tumor Cells and Circulating Cancer Stem Cells. Cancers, 2021, 13, 1385.	3.7	18
84	Microfluidic System to Analyze the Effects of Interleukin 6 on Lymphatic Breast Cancer Metastasis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 611802.	4.1	17
85	Signal Enhancement of Electrochemical Biomemory Device Composed of Recombinant Azurin/Gold Nanoparticle. Electroanalysis, 2011, 23, 2023-2029.	2.9	16
86	In-situ detection of neurotransmitter release from PC12 cells using Surface Enhanced Raman Spectroscopy. Biotechnology and Bioprocess Engineering, 2014, 19, 1069-1076.	2.6	16
87	DNAâ€“Gold Nanoparticle Conjugates for Intracellular miRNA Detection Using Surface-Enhanced Raman Spectroscopy. Biochip Journal, 2022, 16, 33-40.	4.9	16
88	RNA interference (RNAi)-based plasmonic nanomaterials for cancer diagnosis and therapy. Journal of Controlled Release, 2022, 342, 228-240.	9.9	16
89	Magnetic Force-Driven Graphene Patterns to Direct Synaptogenesis of Human Neuronal Cells. Materials, 2017, 10, 1151.	2.9	15
90	Microdevice Platform for In Vitro Nervous System and Its Disease Model. Bioengineering, 2017, 4, 77.	3.5	15

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91	Actuation-Augmented Biohybrid Robot by Hyaluronic Acid-Modified Au Nanoparticles in Muscle Bundles to Evaluate Drug Effects. ACS Sensors, 2022, 7, 740-747.	7.8	15
92	The fabrication of functional biosurface composed of iron storage protein, ferritin. Ultramicroscopy, 2008, 108, 1356-1359.	1.9	13
93	Ultrasensitive immunoassay for prostate specific antigen using scanning tunneling microscopy-based electrical detection. Applied Physics Letters, 2008, 93, .	3.3	13
94	A Fluorescent Tile DNA Diagnocode System for In Situ Rapid and Selective Diagnosis of Cytosolic RNA Cancer Markers. Scientific Reports, 2015, 5, 18497.	3.3	13
95	Electrical Impedance Monitoring of C2C12 Myoblast Differentiation on an Indium Tin Oxide Electrode. Sensors, 2016, 16, 2068.	3.8	13
96	Nanobiohybrid Materialâ€Based Bioelectronic Devices. Biotechnology Journal, 2020, 15, e1900347.	3.5	13
97	Application of complement 1q for the site-selective recognition of immune complex in protein chip. Biosensors and Bioelectronics, 2006, 22, 764-767.	10.1	12
98	Electrophysiological Monitoring of Neurochemical-Based Neural Signal Transmission in a Human Brainâ€“Spinal Cord Assembloid. ACS Sensors, 2022, 7, 409-414.	7.8	12
99	Aerosol Processing of Graphene and Its Application to Oil Absorbent and Glucose Biosensor. KONA Powder and Particle Journal, 2014, 31, 111-125.	1.7	11
100	Development of Bioelectronic Devices Using Bionanohybrid Materials for Biocomputation System. Micromachines, 2019, 10, 347.	2.9	11
101	pH controlled synthesis of porous graphene sphere and application to supercapacitors. Advanced Powder Technology, 2019, 30, 18-22.	4.1	11
102	Receptorâ€Level Proximity and Fastening of Ligands Modulates Stem Cell Differentiation. Advanced Functional Materials, 2022, 32, .	14.9	11
103	Application of computational fluid dynamics analysis for improving performance of commercial scale selective catalytic reduction. Korean Journal of Chemical Engineering, 2006, 23, 43-56.	2.7	10
104	Electrochemical biomemory device consisting of recombinant protein molecules. Biotechnology and Bioprocess Engineering, 2010, 15, 30-39.	2.6	10
105	Recent progress in nanomaterial-based bioelectronic devices for biocomputing system. Biosensors and Bioelectronics, 2022, 212, 114427.	10.1	10
106	Electrochemical Detection of Bisphenol A â€“ Induced Neuronal Toxicity Using RGD Peptide Modified ITO Electrode Cell Chip. Molecular Crystals and Liquid Crystals, 2010, 519, 36-42.	0.9	9
107	Investigation of Hemoglobin/Gold Nanoparticle Heterolayer on Micro-Gap for Electrochemical Biosensor Application. Sensors, 2016, 16, 660.	3.8	9
108	Applications of Bionano Sensor for Extracellular Vesicles Analysis. Materials, 2020, 13, 3677.	2.9	9

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109	Surface Modification of a Self-Assembled Ferredoxin Monolayer on a Gold Substrate by CHAPS. Langmuir, 2003, 19, 8744-8748.	3.5	8
110	Nanoscale biomemory composed of recombinant azurin on a nanogap electrode. Nanotechnology, 2013, 24, 365301.	2.6	8
111	Electrochemical Bioelectronic Device Consisting of Metalloprotein for Analog Decision Making. Scientific Reports, 2015, 5, 14501.	3.3	8
112	Control of electrochemical signals from quantum dots conjugated to organic materials by using DNA structure in an analog logic gate. Bioelectrochemistry, 2016, 111, 1-6.	4.6	8
113	Subtyping of Magnetically Isolated Breast Cancer Cells Using Magnetic Force Microscopy. Biotechnology Journal, 2018, 13, 1700625.	3.5	8
114	Surface-Modified Industrial Acrylonitrile Butadiene Styrene 3D Scaffold Fabrication by Gold Nanoparticle for Drug Screening. Nanomaterials, 2020, 10, 529.	4.1	8
115	â€œORâ€•LOGIC FUNCTION OF MOLECULAR PHOTODIODE CONSISTING OF GFP/VIOLOGEN/CYTOCHROMECHETERO-FILM. Molecular Crystals and Liquid Crystals, 2003, 407, 89-96.	0.9	7
116	The development of protein chip using protein G for the simultaneous detection of various pathogens. Ultramicroscopy, 2008, 108, 1396-1400.	1.9	7
117	Current perspectives of biodegradable drug-eluting stents for improved safety. Biotechnology and Bioprocess Engineering, 2012, 17, 912-924.	2.6	7
118	"AND" Logic Function of Molecular Photodiode Consisting of GFP/TCNQ Hetero-Film. Molecular Crystals and Liquid Crystals, 2002, 377, 249-252.	0.9	6
119	Fabrication of protein a-viologen hetero Langmuir-Blodgett film for fluorescence immunoassay. Biotechnology and Bioprocess Engineering, 2004, 9, 241-244.	2.6	6
120	Fabrication of Mouse Embryonic Stem Cell Chip Using Self-Assembled Layer of Cysteine-Modified RGD Oligopeptide. Molecular Crystals and Liquid Crystals, 2008, 492, 184/[548]-191/[555].	0.9	6
121	Fabrication of Biomemory Device Composed of Myoglobin on DTSSP Layer. Molecular Crystals and Liquid Crystals, 2010, 519, 19-26.	0.9	6
122	A biomemory chip composed of a myoglobin/CNT heterolayer fabricated by the protein-adsorption-precipitation-crosslinking (PAPC) technique. Colloids and Surfaces B: Biointerfaces, 2015, 136, 853-858.	5.0	6
123	Bionanohybrid composed of metalloprotein/DNA/MoS2/peptides to control the intracellular redox states of living cells and its applicability as a cell-based biomemory device. Biosensors and Bioelectronics, 2022, 196, 113725.	10.1	6
124	Fabrication of functional biomolecular layer using recombinant technique for the bioelectronic device. Korean Journal of Chemical Engineering, 2008, 25, 1115-1119.	2.7	5
125	A stable naked-eye colorimetric sensor for monitoring release of extracellular gamma-aminobutyric acid (GABA) neurotransmitter from SH-SY5Y cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120517.	3.9	5
126	Detection of <I>Î²</I>-Amyloid (1-42) on Protein Array Based on Electrical Detection Technique Using Scanning Tunneling Microscopy. Journal of Nanoscience and Nanotechnology, 2011, 11, 4200-4204.	0.9	4

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127	Fusion protein-based biofilm fabrication composed of recombinant azurinâ€“myoglobin for dual-level biomemory application. Applied Surface Science, 2014, 320, 448-454.	6.1	4
128	Fabrication of fusion protein-based heterolayers composed of redox protein/myoglobin for bioelectronic device. Biochip Journal, 2016, 10, 103-110.	4.9	4
129	Azurin/CdSe-ZnS-Based Bio-Nano Hybrid Structure for Nanoscale Resistive Memory Device. Materials, 2017, 10, 803.	2.9	4
130	Flexible Electronics for Monitoring in vivo Electrophysiology and Metabolite Signals. Frontiers in Chemistry, 2020, 8, 547591.	3.6	4
131	Drug Evaluation Based on a Multi-Channel Cell Chip with a Horizontal Co-Culture. International Journal of Molecular Sciences, 2021, 22, 6997.	4.1	4
132	Biomolecular Electron Controller Composed of Nanobiohybrid with Electrically Released Complex for Spatiotemporal Control of Neuronal Differentiation. Small Methods, 2022, 6, 2100912.	8.6	4
133	The Methodology to Improve the Performance of a Selective Catalytic Reduction System Installed in HRSG Using Computational Fluid Dynamics Analysis. Environmental Engineering Science, 2006, 23, 863-873.	1.6	3
134	Nanoscale Fabrication ofP. aeruginosa Azurinon Self-Assembled Monolayer. Molecular Crystals and Liquid Crystals, 2007, 463, 281/[563]-289/[571].	0.9	3
135	Fusion protein bilayer fabrication composed of recombinant azurin/cytochrome P450 by the sortase-mediated ligation method. Colloids and Surfaces B: Biointerfaces, 2014, 120, 215-221.	5.0	3
136	Multi-electrochemical signal generation using metalloprotein based on selective surface modification. Biochip Journal, 2017, 11, 322-328.	4.9	3
137	Sensitive and Direct Optical Monitoring of Release and Cellular Uptake of Aqueous CO from CO-Releasing Molecules. Analytical Chemistry, 2021, 93, 9927-9932.	6.5	3
138	Fabrication of Hollow Nanocones Membrane with an Extraordinary Surface Area as CO2 Sucker. Polymers, 2022, 14, 183.	4.5	3
139	Modified Industrial Three-Dimensional Polylactic Acid Scaffold Cell Chip Promotes the Proliferation and Differentiation of Human Neural Stem Cells. International Journal of Molecular Sciences, 2022, 23, 2204.	4.1	3
140	Transient photocurrent characteristics of chlorophyll a langmuir-blodgett film. Molecular Crystals and Liquid Crystals, 2004, 425, 257-264.	0.9	2
141	Nanoelectrodes: Large-Scale Nanoelectrode Arrays to Monitor the Dopaminergic Differentiation of Human Neural Stem Cells (Adv. Mater. 41/2015). Advanced Materials, 2015, 27, 6306-6306.	21.0	2
142	DNA-Recombinant Azurin Conjugation as a Biomemory Platform with Enhanced Sensitivity. Journal of Nanoscience and Nanotechnology, 2016, 16, 11857-11861.	0.9	2
143	Specific Protein Markers for Stem Cell Cross-Talk with Neighboring Cells in the Environment. International Journal of Stem Cells, 2013, 6, 75-86.	1.8	2
144	A reusable Gemini surfactant-based electrochemical sensor for As(III) detection. International Journal of Environmental Analytical Chemistry, 2023, 103, 9036-9047.	3.3	2

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145	3D Neural Network Composed of Neurospheroid and Bionanohybrid on Microelectrode Array to Realize the Spatial Input Signal Recognition in Neurospheroid. Small Methods, 0, , 2200127.	8.6	2
146	Bio electroluminescent device composed of cytochrome c/chlorophyll a hetero-structure. , 2006, , .		1
147	Antibody Immobilization for Immunosensor on ProteinA Fabricated by Electrostatic Interaction of Synthetic Peptide. Molecular Crystals and Liquid Crystals, 2007, 463, 245/[527]-254/[536].	0.9	1
148	Self-Assembled Monolayer of DTSSP Modified Azurin for Biomolecular Electronic Device. Molecular Crystals and Liquid Crystals, 2008, 492, 1/[365]-10/[374].	0.9	1
149	A fluorescence color-encoded lipid-supported polymeric particle. Colloids and Surfaces B: Biointerfaces, 2014, 122, 840-845.	5.0	1
150	Predictive evaluation for the preparation of a synthetic Y-shaped DNA nanostructure. Biotechnology and Bioprocess Engineering, 2014, 19, 262-268.	2.6	1
151	Dual-Level Biomemory Device Composed of Cytochrome c/DNA/Myoglobin Heterolayer. Journal of Nanoscience and Nanotechnology, 2016, 16, 8724-8727.	0.9	1
152	Metallic Nanoparticle-Based Optical Cell Chip for Nondestructive Monitoring of Intra/Extracellular Signals. Pharmaceutics, 2020, 12, 50.	4.5	1
153	Fractal-Time Response Function of GFP/Viologen/TCNQ Structured Molecular Photodiode. Molecular Crystals and Liquid Crystals, 2002, 377, 245-248.	0.9	0
154	The Fabrication of Molecular Memory Device Composed of Iron Storage Protein, Ferritin. , 2006, , .		0
155	Rectified photocurrent of biophodiode composed of cytochrome c/chlorophyll a hetero-structure. , 2006, , .		0
156	Molecular Scale Photodiode Composed of Recombinant Ferredoxin/Chlorophyll a Heterostructure. Journal of Nanoscience and Nanotechnology, 2008, 8, 4527-4532.	0.9	0
157	NANOSCALE BIOELECTRONIC DEVICE CONSISTING OF BIOMOLECULES. , 2010, , 347-374.		0
158	Biomemory device composed of recombinant azurin. , 2010, , .		0
159	Electrochemical Cell Chips Based on Functionalized Nanometals. Frontiers in Chemistry, 2021, 9, 671922.	3.6	0
160	Biomolecular photonic device consisting of Chl a/Chl b/phycoerythrin/phycocyanin hetero structure. Journal of Nanoscience and Nanotechnology, 2006, 6, 3526-31.	0.9	0