

Akon Higuchi

List of Publications by Year in descending order

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212
papers

8,532
citations

34016

52
h-index

60497

81
g-index

216
all docs

216
docs citations

216
times ranked

9318
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of extracellular matrix proteins on the differentiation of human pluripotent stem cells into mesenchymal stem cells. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5723-5732.	2.9	8
2	Application of bioactive hydrogels combined with dental pulp stem cells for the repair of large gap peripheral nerve injuries. <i>Bioactive Materials</i> , 2021, 6, 638-654.	8.6	67
3	Laminin-511 and recombinant vitronectin supplementation enables human pluripotent stem cell culture and differentiation on conventional tissue culture polystyrene surfaces in xeno-free conditions. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8604-8614.	2.9	9
4	Poly(vinyl alcohol-co-itaconic acid) hydrogels grafted with several designed peptides for human pluripotent stem cell culture and differentiation into cardiomyocytes. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7662-7673.	2.9	9
5	Transient characteristics of universal cells on human-induced pluripotent stem cells and their differentiated cells derived from foetal stem cells with mixed donor sources. <i>Cell Proliferation</i> , 2021, 54, e12995.	2.4	6
6	Stem Cell Therapy in Dengue Virus-Infected BALB/C Mice Improves Hepatic Injury. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 637270.	1.8	4
7	Purification of Colon Carcinoma Cells from Primary Colon Tumor Using a Filtration Method via Porous Polymeric Filters. <i>Polymers</i> , 2021, 13, 3411.	2.0	0
8	Looking into dental pulp stem cells in the therapy of photoreceptors and retinal degenerative disorders. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111727.	1.7	6
9	Effect of cell culture biomaterials for completely xeno-free generation of human induced pluripotent stem cells. <i>Biomaterials</i> , 2020, 230, 119638.	5.7	31
10	Generation of universal and hypoinmunogenic human pluripotent stem cells. <i>Cell Proliferation</i> , 2020, 53, e12946.	2.4	23
11	Enrichment of cancer-initiating cells from colon cancer cells through porous polymeric membranes by a membrane filtration method. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10577-10585.	2.9	7
12	Thermoresponsive surfaces designed for the proliferation and differentiation of human pluripotent stem cells. <i>Acta Biomaterialia</i> , 2020, 116, 162-173.	4.1	12
13	Culture and differentiation of purified human adipose-derived stem cells by membrane filtration via nylon mesh filters. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5204-5214.	2.9	7
14	Efficient differentiation of human pluripotent stem cells into cardiomyocytes on cell sorting thermoresponsive surface. <i>Biomaterials</i> , 2020, 253, 120060.	5.7	29
15	Bioinert Control of Zwitterionic Poly(ethylene terephthalate) Fibrous Membranes. <i>Langmuir</i> , 2019, 35, 1727-1739.	1.6	16
16	The design of a thermoresponsive surface for the continuous culture of human pluripotent stem cells. <i>Biomaterials</i> , 2019, 221, 119411.	5.7	18
17	Xeno-free and feeder-free culture and differentiation of human embryonic stem cells on recombinant vitronectin-grafted hydrogels. <i>Biomaterials Science</i> , 2019, 7, 4345-4362.	2.6	14
18	The effect of human platelet lysate on the differentiation ability of human adipose-derived stem cells cultured on ECM-coated surfaces. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7110-7119.	2.9	17

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19	Biomaterials used in stem cell therapy for spinal cord injury. <i>Progress in Materials Science</i> , 2019, 103, 374-424.	16.0	43
20	Efficient differentiation of human ES and iPS cells into cardiomyocytes on biomaterials under xeno-free conditions. <i>Biomaterials Science</i> , 2019, 7, 5467-5481.	2.6	14
21	Morphological and genetical changes of endothelial progenitor cells after in - vitro conversion into photoreceptors. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 127-132.	1.7	4
22	Bismuth Oxyiodide Nanoflakes Showed Toxicity Against the Malaria Vector <i>Anopheles stephensi</i> and In Vivo Antiplasmodial Activity. <i>Journal of Cluster Science</i> , 2018, 29, 337-344.	1.7	7
23	Human Pluripotent Stem Cell Culture on Polyvinyl Alcohol-Co-Itaconic Acid Hydrogels with Varying Stiffness Under Xeno-Free Conditions. <i>Journal of Visualized Experiments</i> , 2018, . .	0.2	6
24	A pH-sensitive guar gum- <i>g</i> -grafted- <i>l</i> -lysine- β -cyclodextrin drug carrier for the controlled release of 5-flourouracil into cancer cells. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1519-1530.	2.9	62
25	Mosquito control with green nanopesticides: towards the One Health approach? A review of non-target effects. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10184-10206.	2.7	111
26	Iron and iron oxide nanoparticles are highly toxic to <i>Culex quinquefasciatus</i> with little non-target effects on larvivorous fishes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10504-10514.	2.7	33
27	Poly(Styrene Sulfonate)/Poly(Allylamine Hydrochloride) Encapsulation of TiO ₂ Nanoparticles Boosts Their Toxic and Repellent Activity Against Zika Virus Mosquito Vectors. <i>Journal of Cluster Science</i> , 2018, 29, 27-39.	1.7	11
28	Biosurfactants produced by <i>Bacillus subtilis</i> A1 and <i>Pseudomonas stutzeri</i> NA3 reduce longevity and fecundity of <i>Anopheles stephensi</i> and show high toxicity against young instars. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10471-10481.	2.7	31
29	Managing wastes as green resources: cigarette butt-synthesized pesticides are highly toxic to malaria vectors with little impact on predatory copepods. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10456-10470.	2.7	24
30	Gold Nanoparticles Inducing Osteogenic Differentiation of Stem Cells: A Review. <i>Journal of Cluster Science</i> , 2018, 29, 1-7.	1.7	26
31	Physical cues of biomaterials guide stem cell fate of differentiation: The effect of elasticity of cell culture biomaterials. <i>Open Physics</i> , 2018, 16, 943-955.	0.8	13
32	Modulatory and regenerative potential of transplanted bone marrow-derived mesenchymal stem cells on rifampicin-induced kidney toxicity. <i>Regenerative Therapy</i> , 2018, 9, 100-110.	1.4	7
33	Repeated infections of dengue (serotype DENV-2) in lung cells of BALB/c mice lead to severe histopathological consequences. <i>Pathogens and Global Health</i> , 2018, 112, 259-267.	1.0	2
34	Collagen Scaffolds in Cartilage Tissue Engineering and Relevant Approaches for Future Development. <i>Tissue Engineering and Regenerative Medicine</i> , 2018, 15, 673-697.	1.6	149
35	Recent Updates on Treatment of Ocular Microbial Infections by Stem Cell Therapy: A Review. <i>International Journal of Molecular Sciences</i> , 2018, 19, 558.	1.8	12
36	<i>Bombyx mori</i> Silk: An Eco-friendly Source to Produce Nanogold-Silk Bioconjugates and Gold Nanoparticles. <i>Journal of Cluster Science</i> , 2018, 29, 1161-1167.	1.7	0

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37	Surface zwitterionization on versatile hydrophobic interfaces <i>via</i> a combined copolymerization/self-assembling process. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4909-4919.	2.9	22
38	A Zwitterionic-Shielded Carrier with pH-Modulated Reversible Self-Assembly for Gene Transfection. <i>Langmuir</i> , 2017, 33, 1914-1926.	1.6	20
39	Purification and differentiation of human adipose-derived stem cells by membrane filtration and membrane migration methods. <i>Scientific Reports</i> , 2017, 7, 40069.	1.6	22
40	Micro-anatomical changes in major blood vessel caused by dengue virus (serotype 2) infection. <i>Acta Tropica</i> , 2017, 171, 213-219.	0.9	5
41	Green-synthesized CdS nano-pesticides: Toxicity on young instars of malaria vectors and impact on enzymatic activities of the non-target mud crab <i>Scylla serrata</i> . <i>Aquatic Toxicology</i> , 2017, 188, 100-108.	1.9	40
42	Proliferation and osteogenic differentiation of amniotic fluid-derived stem cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5345-5354.	2.9	11
43	Xeno-free culture of human pluripotent stem cells on oligopeptide-grafted hydrogels with various molecular designs. <i>Scientific Reports</i> , 2017, 7, 45146.	1.6	42
44	Impact of dengue virus (serotype DENV-2) infection on liver of BALB/c mice: A histopathological analysis. <i>Tissue and Cell</i> , 2017, 49, 86-94.	1.0	21
45	Stem cell culture on polyvinyl alcohol hydrogels having different elasticity and immobilized with ECM-derived oligopeptides. <i>Journal of Polymer Engineering</i> , 2017, 37, 647-660.	0.6	17
46	Towards Bio-Encapsulation of Chitosan-Silver Nanocomplex? Impact on Malaria Mosquito Vectors, Human Breast Adenocarcinoma Cells (MCF-7) and Behavioral Traits of Non-target Fishes. <i>Journal of Cluster Science</i> , 2017, 28, 529-550.	1.7	16
47	Magneto-chemotherapy for cervical cancer treatment with camptothecin loaded Fe ₃ O ₄ functionalized β -cyclodextrin nanovehicle. <i>RSC Advances</i> , 2017, 7, 46271-46285.	1.7	31
48	3D modelling of the pathogenic <i>Leptospira</i> protein LipL32: A bioinformatics approach. <i>Acta Tropica</i> , 2017, 176, 433-439.	0.9	3
49	Leptospirosis: Molecular trial path and immunopathogenesis correlated with dengue, malaria and mimetic hemorrhagic infections. <i>Acta Tropica</i> , 2017, 176, 206-223.	0.9	18
50	Nanoparticles as effective acaricides against ticksâ€”A review. <i>Ticks and Tick-borne Diseases</i> , 2017, 8, 821-826.	1.1	72
51	Efficiency of newly formulated camptothecin with β -cyclodextrin-EDTA-Fe ₃ O ₄ nanoparticle-conjugated nanocarriers as an anti-colon cancer (HT29) drug. <i>Scientific Reports</i> , 2017, 7, 10962.	1.6	54
52	Stem cell therapies for myocardial infarction in clinical trials: bioengineering and biomaterial aspects. <i>Laboratory Investigation</i> , 2017, 97, 1167-1179.	1.7	46
53	Universal Bioinert Control of Polystyrene Interfaces via Hydrophobicâ€”Driven Selfâ€”Assembled Surface PEGylation with a Wellâ€”Defined Block Sequence. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700102.	1.1	8
54	Stem Cell Therapies for Reversing Vision Loss. <i>Trends in Biotechnology</i> , 2017, 35, 1102-1117.	4.9	54

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55	Genomic plasticity between human and mycobacterial DNA: A review. <i>Tuberculosis</i> , 2017, 107, 38-47.	0.8	11
56	Mangrove Helps: <i>Sonneratia alba</i> -Synthesized Silver Nanoparticles Magnify Guppy Fish Predation Against <i>Aedes aegypti</i> Young Instars and Down-Regulate the Expression of Envelope (E) Gene in Dengue Virus (Serotype DEN-2). <i>Journal of Cluster Science</i> , 2017, 28, 437-461.	1.7	23
57	Nanofabrication of Graphene Quantum Dots with High Toxicity Against Malaria Mosquitoes, <i>Plasmodium falciparum</i> and MCF-7 Cancer Cells: Impact on Predation of Non-target Tadpoles, Odonate Nymphs and Mosquito Fishes. <i>Journal of Cluster Science</i> , 2017, 28, 393-411.	1.7	31
58	Magnetic nanoparticles are highly toxic to chloroquine-resistant <i>Plasmodium falciparum</i> , dengue virus (DEN-2), and their mosquito vectors. <i>Parasitology Research</i> , 2017, 116, 495-502.	0.6	46
59	Do <i>Chenopodium ambrosioides</i> -Synthesized Silver Nanoparticles Impact <i>Oryzias melastigma</i> Predation Against <i>Aedes albopictus</i> Larvae?. <i>Journal of Cluster Science</i> , 2017, 28, 413-436.	1.7	20
60	Neem (<i>Azadirachta indica</i>): towards the ideal insecticide?. <i>Natural Product Research</i> , 2017, 31, 369-386.	1.0	94
61	Mosquitocidal, Antimalarial and Antidiabetic Potential of <i>Musa paradisiaca</i> -Synthesized Silver Nanoparticles: In Vivo and In Vitro Approaches. <i>Journal of Cluster Science</i> , 2017, 28, 91-107.	1.7	26
62	Neem cake as a promising larvicide and adulticide against the rural malaria vector <i>Anopheles culicifacies</i> (Diptera: Culicidae): a HPTLC fingerprinting approach. <i>Natural Product Research</i> , 2017, 31, 1185-1190.	1.0	8
63	Flower-Like Copper Sulfide Nanocrystals are Highly Effective Against Chloroquine-Resistant <i>Plasmodium falciparum</i> and the Malaria Vector <i>Anopheles stephensi</i> . <i>Journal of Cluster Science</i> , 2017, 28, 581-594.	1.7	8
64	Polymeric design of cell culture materials that guide the differentiation of human pluripotent stem cells. <i>Progress in Polymer Science</i> , 2017, 65, 83-126.	11.8	54
65	Micro-Computed Tomography Detection of Gold Nanoparticle-Labelled Mesenchymal Stem Cells in the Rat Subretinal Layer. <i>International Journal of Molecular Sciences</i> , 2017, 18, 345.	1.8	24
66	Stem Cell: Hematopoietic Stem Cell Culture, <i>Materials for</i> . , 2017, , 1453-1464.		0
67	Stem Cell Therapy for Treatment of Ocular Disorders. <i>Stem Cells International</i> , 2016, 2016, 1-18.	1.2	30
68	Long-term xeno-free culture of human pluripotent stem cells on hydrogels with optimal elasticity. <i>Scientific Reports</i> , 2016, 5, 18136.	1.6	58
69	Distinctive features of single nucleotide alterations in induced pluripotent stem cells with different types of DNA repair deficiency disorders. <i>Scientific Reports</i> , 2016, 6, 26342.	1.6	8
70	Data of continuous harvest of stem cells via partial detachment from thermoresponsive nanobrush surfaces. <i>Data in Brief</i> , 2016, 6, 603-608.	0.5	1
71	Eco-friendly drugs from the marine environment: spongeweed-synthesized silver nanoparticles are highly effective on <i>Plasmodium falciparum</i> and its vector <i>Anopheles stephensi</i> , with little non-target effects on predatory copepods. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16671-16685.	2.7	56
72	The recent outbreaks of Zika virus: Mosquito control faces a further challenge. <i>Asian Pacific Journal of Tropical Disease</i> , 2016, 6, 253-258.	0.5	24

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73	Fern-synthesized silver nanocrystals: Towards a new class of mosquito oviposition deterrents?. <i>Research in Veterinary Science</i> , 2016, 109, 40-51.	0.9	53
74	Fabrication of nano-mosquitocides using chitosan from crab shells: Impact on non-target organisms in the aquatic environment. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 318-328.	2.9	37
75	Development of biomaterial surfaces with and without microbial nanosegments. <i>Journal of Polymer Engineering</i> , 2016, 36, 1-12.	0.6	6
76	Zwitterionic fibrous polypropylene assembled with amphiphatic carboxybetaine copolymers for hemocompatible blood filtration. <i>Acta Biomaterialia</i> , 2016, 40, 130-141.	4.1	21
77	Earthworm-mediated synthesis of silver nanoparticles: A potent tool against hepatocellular carcinoma, <i>Plasmodium falciparum</i> parasites and malaria mosquitoes. <i>Parasitology International</i> , 2016, 65, 276-284.	0.6	73
78	Green-synthesised nanoparticles from <i>Melia azedarach</i> seeds and the cyclopoid crustacean <i>Cyclops vernalis</i> : an eco-friendly route to control the malaria vector <i>Anopheles stephensi</i> ? <i>Natural Product Research</i> , 2016, 30, 2077-2084.	1.0	16
79	Fern-synthesized nanoparticles in the fight against malaria: LC/MS analysis of <i>Pteridium aquilinum</i> leaf extract and biosynthesis of silver nanoparticles with high mosquitocidal and antiplasmodial activity. <i>Parasitology Research</i> , 2016, 115, 997-1013.	0.6	108
80	Hemocompatible interface control via thermal-activated bio-inspired surface PEGylation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 409-420.	1.8	7
81	Chemogenomic analysis of neuronal differentiation with pathway changes in PC12 cells. <i>Molecular BioSystems</i> , 2016, 12, 283-294.	2.9	4
82	Continuous harvest of stem cells via partial detachment from thermoresponsive nanobrush surfaces. <i>Biomaterials</i> , 2016, 76, 76-86.	5.7	45
83	Rapid biosynthesis of silver nanoparticles using <i>Crotalaria verrucosa</i> leaves against the dengue vector <i>Aedes aegypti</i> : what happens around? An analysis of dragonfly predatory behaviour after exposure at ultra-low doses. <i>Natural Product Research</i> , 2016, 30, 826-833.	1.0	21
84	<i>Sargassum muticum</i> -synthesized silver nanoparticles: an effective control tool against mosquito vectors and bacterial pathogens. <i>Parasitology Research</i> , 2015, 114, 4305-4317.	0.6	130
85	Seaweed-synthesized silver nanoparticles: an eco-friendly tool in the fight against <i>Plasmodium falciparum</i> and its vector <i>Anopheles stephensi</i> ?. <i>Parasitology Research</i> , 2015, 114, 4087-4097.	0.6	91
86	Pluripotency maintenance of amniotic fluid-derived stem cells cultured on biomaterials. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3858-3869.	2.9	11
87	Mosquitocidal and antiplasmodial activity of <i>Senna occidentalis</i> (Cassiae) and <i>Ocimum basilicum</i> (Lamiaceae) from Maruthamalai hills against <i>Anopheles stephensi</i> and <i>Plasmodium falciparum</i> . <i>Parasitology Research</i> , 2015, 114, 3657-3664.	0.6	59
88	A hybrid-membrane migration method to isolate high-purity adipose-derived stem cells from fat tissues. <i>Scientific Reports</i> , 2015, 5, 10217.	1.6	22
89	Characterization and biotoxicity of <i>Hypnea musciformis</i> -synthesized silver nanoparticles as potential eco-friendly control tool against <i>Aedes aegypti</i> and <i>Plutella xylostella</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015, 121, 31-38.	2.9	176
90	Green-synthesized silver nanoparticles as a novel control tool against dengue virus (DEN-2) and its primary vector <i>Aedes aegypti</i> . <i>Parasitology Research</i> , 2015, 114, 3315-3325.	0.6	184

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91	Mineral substituted hydroxyapatite coatings deposited on nanoporous TiO ₂ modulate the directional growth and activity of osteoblastic cells. RSC Advances, 2015, 5, 58980-58988.	1.7	19
92	Predation by Asian bullfrog tadpoles, <i>Hoplobatrachus tigerinus</i> , against the dengue vector, <i>Aedes aegypti</i> , in an aquatic environment treated with mosquitocidal nanoparticles. Parasitology Research, 2015, 114, 3601-3610.	0.6	101
93	Datura metal-synthesized silver nanoparticles magnify predation of dragonfly nymphs against the malaria vector <i>Anopheles stephensi</i> . Parasitology Research, 2015, 114, 4645-4654.	0.6	52
94	Physical cues of cell culture materials lead the direction of differentiation lineages of pluripotent stem cells. Journal of Materials Chemistry B, 2015, 3, 8032-8058.	2.9	67
95	Eco-friendly control of malaria and arbovirus vectors using the mosquitofish <i>Gambusia affinis</i> and ultra-low dosages of Mimusops elengi-synthesized silver nanoparticles: towards an integrative approach?. Environmental Science and Pollution Research, 2015, 22, 20067-20083.	2.7	94
96	Odontogenic epithelial stem cells: hidden sources. Laboratory Investigation, 2015, 95, 1344-1352.	1.7	24
97	Generation of pluripotent stem cells without the use of genetic material. Laboratory Investigation, 2015, 95, 26-42.	1.7	62
98	Recent Developments in $\hat{2}$ -Cell Differentiation of Pluripotent Stem Cells Induced by Small and Large Molecules. International Journal of Molecular Sciences, 2014, 15, 23418-23447.	1.8	25
99	Preparation of induced pluripotent stem cells on dishes grafted on oligopeptide under feeder-free conditions. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 295-301.	2.7	16
100	Design of polymeric materials for culturing human pluripotent stem cells: Progress toward feeder-free and xeno-free culturing. Progress in Polymer Science, 2014, 39, 1348-1374.	11.8	66
101	Suppression of cancer-initiating cells and selection of adipose-derived stem cells cultured on biomaterials having specific nanosegments. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 463-476.	1.6	8
102	Surface Zwitterionization of Titanium for a General Bio-Inert Control of Plasma Proteins, Blood Cells, Tissue Cells, and Bacteria. Langmuir, 2014, 30, 7502-7512.	1.6	75
103	Introducing Mixed-Charge Copolymers As Wound Dressing Biomaterials. ACS Applied Materials & Interfaces, 2014, 6, 9858-9870.	4.0	67
104	Hemocompatibility of Polyampholyte Copolymers with Well-Defined Charge Bias in Human Blood. Langmuir, 2014, 30, 6489-6496.	1.6	31
105	Purification of human adipose-derived stem cells from fat tissues using PLGA/silk screen hybrid membranes. Biomaterials, 2014, 35, 4278-4287.	5.7	24
106	External stimulus-responsive biomaterials designed for the culture and differentiation of ES, iPS, and adult stem cells. Progress in Polymer Science, 2014, 39, 1585-1613.	11.8	63
107	Surface self-assembled zwitterionization of poly(vinylidene fluoride) microfiltration membranes via hydrophobic-driven coating for improved blood compatibility. Journal of Membrane Science, 2014, 454, 253-263.	4.1	74
108	Ataxia telangiectasia derived iPS cells show preserved x-ray sensitivity and decreased chromosomal instability. Scientific Reports, 2014, 4, 5421.	1.6	35

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109	Biofouling-resistance control of expanded poly(tetrafluoroethylene) membrane via atmospheric plasma-induced surface PEGylation. <i>Journal of Membrane Science</i> , 2013, 439, 48-57.	4.1	27
110	The combined influence of substrate elasticity and surface-grafted molecules on the ex vivo expansion of hematopoietic stem and progenitor cells. <i>Biomaterials</i> , 2013, 34, 7632-7644.	5.7	43
111	Physical Cues of Biomaterials Guide Stem Cell Differentiation Fate. <i>Chemical Reviews</i> , 2013, 113, 3297-3328.	23.0	387
112	Drug-resistant colon cancer cells produce high carcinoembryonic antigen and might not be cancer-initiating cells. <i>Drug Design, Development and Therapy</i> , 2013, 7, 491.	2.0	10
113	The isolation and differentiation of human adipose-derived stem cells using membrane filtration. <i>Biomaterials</i> , 2012, 33, 8228-8239.	5.7	37
114	Bioadhesive Control of Plasma Proteins and Blood Cells from Umbilical Cord Blood onto the Interface Grafted with Zwitterionic Polymer Brushes. <i>Langmuir</i> , 2012, 28, 4309-4317.	1.6	50
115	Biomimetic Cell Culture Proteins as Extracellular Matrices for Stem Cell Differentiation. <i>Chemical Reviews</i> , 2012, 112, 4507-4540.	23.0	130
116	Hemocompatible Control of Sulfobetaine-Grafted Polypropylene Fibrous Membranes in Human Whole Blood via Plasma-Induced Surface Zwitterionization. <i>Langmuir</i> , 2012, 28, 17733-17742.	1.6	74
117	Effect of the surface density of nanosegments immobilized on culture dishes on ex vivo expansion of hematopoietic stem and progenitor cells from umbilical cord blood. <i>Acta Biomaterialia</i> , 2012, 8, 1749-1758.	4.1	19
118	PEGylation of anti-biofouling polysulfone membranes via liquid- and vapor-induced phase separation processing. <i>Journal of Membrane Science</i> , 2012, 403-404, 47-57.	4.1	50
119	Osteoblast Differentiation of Amniotic Fluid-Derived Stem Cells Irradiated with Visible Light. <i>Tissue Engineering - Part A</i> , 2011, 17, 2593-2602.	1.6	30
120	Biomaterials for the Feeder-Free Culture of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells. <i>Chemical Reviews</i> , 2011, 111, 3021-3035.	23.0	103
121	Visible Light-Regulated Gene Expression and Neurite Outgrowth of Nerve Cells. <i>Journal of Chemical Engineering of Japan</i> , 2011, 44, 171-178.	0.3	3
122	Differentiation Ability of Amniotic Fluid-Derived Stem Cells Cultured on Extracellular Matrix-immobilized Surface. <i>Current Nanoscience</i> , 2011, 7, 893-901.	0.7	11
123	Differentiation ability of adipose-derived stem cells separated from adipose tissue by a membrane filtration method. <i>Journal of Membrane Science</i> , 2011, 366, 286-294.	4.1	25
124	Separation and Cultivation of Hematopoietic Stem Cells from Umbilical Cord Blood by Permeation through Membranes with Nano-Segments. <i>Current Nanoscience</i> , 2011, 7, 908-914.	0.7	4
125	Evaluation of Bioactivity and Effect of Polymeric Stabilizers During Heat Treatment for the Unfolded Fraction of Human Epidermal Growth Factor. <i>Journal of Fiber Science and Technology</i> , 2011, 67, 185-191.	0.0	0
126	A systematic SPR study of human plasma protein adsorption behavior on the controlled surface packing of self-assembled poly(ethylene oxide) triblock copolymer surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 400-408.	2.1	29

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127	Polymeric Membranes for Chiral Separation of Pharmaceuticals and Chemicals. <i>Polymer Reviews</i> , 2010, 50, 113-143.	5.3	144
128	Direct ex vivo expansion of hematopoietic stem cells from umbilical cord blood on membranes. <i>Journal of Membrane Science</i> , 2010, 351, 104-111.	4.1	20
129	Effect of UV intensity on structure, water sorption, and transport properties of crosslinked N-vinyl-2-pyrrolidone/N,N'-methylenebisacrylamide films. <i>Journal of Membrane Science</i> , 2010, 348, 47-55.	4.1	12
130	Measurements of Movement and Diffusion Coefficients of Single Cells on Polymeric Surface from Image Analysis. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1545-1558.	1.9	0
131	Peroxidase Activity of DNA Aptamer-Pt Complexes Prepared with Cisplatin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 67-82.	1.9	2
132	Tunable Bioadhesive Copolymer Hydrogels of Thermoresponsive Poly(N-isopropyl acrylamide) Containing Zwitterionic Polysulfobetaine. <i>Biomacromolecules</i> , 2010, 11, 1101-1110.	2.6	121
133	Separation of hematopoietic stem and progenitor cells from human peripheral blood through polyurethane foaming membranes modified with several amino acids. <i>Journal of Applied Polymer Science</i> , 2009, 114, 671-679.	1.3	1
134	Permeation of blood cells from umbilical cord blood through surface-modified polyurethane foaming membranes. <i>Journal of Membrane Science</i> , 2009, 339, 184-188.	4.1	13
135	Preparation of fractioned DNA aptamer-Pt complex through ultrafiltration and the colorimetric sensing of thrombin. <i>Journal of Membrane Science</i> , 2009, 328, 97-103.	4.1	3
136	Sulfobetaine-grafted poly(vinylidene fluoride) ultrafiltration membranes exhibit excellent antifouling property. <i>Journal of Membrane Science</i> , 2009, 339, 151-159.	4.1	230
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