AndrÃ©s J GarcÃ-a

List of Publications by Year
in descending order

150 papers	10,690 citations	28190 55 h-index	35952 97 g-index
162 all docs	162 docs citations	162 times ranked	13807 citing authors

#	Article	IF	Citations
1	Biomaterial strategies for engineering implants for enhanced osseointegration and bone repair. Advanced Drug Delivery Reviews, 2015, 94, 53-62.	6.6	561
2	Maleimide Crossâ€Linked Bioactive PEG Hydrogel Exhibits Improved Reaction Kinetics and Crossâ€Linking for Cell Encapsulation and In Situ Delivery. Advanced Materials, 2012, 24, 64-70.	11.1	458
3	Synthetic hydrogels for human intestinal organoid generation and colonic wound repair. Nature Cell Biology, 2017, 19, 1326-1335.	4.6	401
4	Cell Adhesion Strengthening: Contributions of Adhesive Area, Integrin Binding, and Focal Adhesion Assembly. Molecular Biology of the Cell, 2005, 16, 4329-4340.	0.9	373
5	Light-triggered in vivo activation of adhesive peptides regulates cell adhesion, inflammation and vascularization of biomaterials. Nature Materials, 2015, 14, 352-360.	13.3	365
6	Get a grip: integrins in cellâ€“biomaterial interactions. Biomaterials, 2005, 26, 7525-7529.	5.7	292
7	Effects of protein dose and delivery system on BMP-mediated bone regeneration. Biomaterials, 2011, 32, 5241-5251.	5.7	281
8	Bioartificial matrices for therapeutic vascularization. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3323-3328.	3.3	251
9	Biomolecular surface coating to enhance orthopaedic tissue healing and integration. Biomaterials, 2007, 28, 3228-3235.	5.7	228
10	Coating of biomaterial scaffolds with the collagen-mimetic peptide GFOGER for bone defect repair. Biomaterials, 2010, 31, 2574-2582.	5.7	222
11	How vinculin regulates force transmission. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9788-9793.	3.3	209
12	Quantification of cell adhesion using a spinning disc device and application to surface-reactive materials. Biomaterials, 1997, 18, 1091-1098.	5.7	192
13	Biomaterial-based antimicrobial therapies for the treatment of bacterial infections. Nature Reviews Materials, 2022, 7, 39-54.	23.3	184
14	Microfluidicâ€Based Generation of Sizeâ€Controlled, Biofunctionalized Synthetic Polymer Microgels for Cell Encapsulation. Advanced Materials, 2014, 26, 3003-3008.	11.1	174
15	Engineering integrin-specific surfaces with a triple-helical collagen-mimetic peptide. Journal of Biomedical Materials Research - Part A, 2003, 65A, 511-523.	2.1	164
16	Nonadhesive Alginate Hydrogels Support Growth of Pluripotent Stem Cell-Derived Intestinal Organoids. Stem Cell Reports, 2019, 12, 381-394.	2.3	160
17	Bone regeneration using an alpha 2 beta 1 integrin-specific hydrogel as a BMP-2 delivery vehicle. Biomaterials, 2014, 35, 5453-5461.	5.7	156
18	Macrophage phenotypes in tissue repair and the foreign body response: Implications for biomaterial-based regenerative medicine strategies. Acta Biomaterialia, 2021, 133, 4-16.	4.1	146

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19	Vasculogenic bio-synthetic hydrogel for enhancement of pancreatic islet engraftment and function in type 1 diabetes. Biomaterials, 2013, 34, 4602-4611.	5.7	142
20	Cellular Encapsulation Enhances Cardiac Repair. Journal of the American Heart Association, 2013, 2, e000367.	1.6	140
21	Hydrogel delivery of lysostaphin eliminates orthopedic implant infection by Staphylococcus aureus and supports fracture healing. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4960-E4969.	3.3	138
22	Î±2Î²1integrin-specific collagen-mimetic surfaces supporting osteoblastic differentiation. Journal of Biomedical Materials Research - Part A, 2004, 69A, 591-600.	2.1	136
23	Integrin-specific hydrogels modulate transplanted human bone marrow-derived mesenchymal stem cell survival, engraftment, and reparative activities. Nature Communications, 2020, 11, 114.	5.8	131
24	Vasculogenic hydrogel enhances islet survival, engraftment, and function in leading extrahepatic sites. Science Advances, 2017, 3, e1700184.	4.7	130
25	Update on therapeutic vascularization strategies. Regenerative Medicine, 2009, 4, 65-80.	0.8	125
26	Local immunomodulation with Fas ligand-engineered biomaterials achieves allogeneic islet graft acceptance. Nature Materials, 2018, 17, 732-739.	13.3	124
27	Reduced acute inflammatory responses to microgel conformal coatings. Biomaterials, 2008, 29, 4605-4615.	5.7	114
28	Self-assembling nanoparticles for intra-articular delivery of anti-inflammatory proteins. Biomaterials, 2012, 33, 7665-7675.	5.7	113
29	PEG-4MAL hydrogels for human organoid generation, culture, and in vivo delivery. Nature Protocols, 2018, 13, 2102-2119.	5.5	113
30	Parallel droplet microfluidics for high throughput cell encapsulation and synthetic microgel generation. Microsystems and Nanoengineering, 2018, 4, .	3.4	110
31	Material-driven fibronectin assembly for high-efficiency presentation of growth factors. Science Advances, 2016, 2, e1600188.	4.7	104
32	Synthetic matrices reveal contributions of ECM biophysical and biochemical properties to epithelial morphogenesis. Journal of Cell Biology, 2016, 212, 113-124.	2.3	100
33	Synthetic hydrogels mimicking basement membrane matrices to promote cell-matrix interactions. Matrix Biology, 2017, 57-58, 324-333.	1.5	99
34	Engineered VEGF-releasing PEGâ€“MAL hydrogel for pancreatic islet vascularization. Drug Delivery and Translational Research, 2015, 5, 125-136.	3.0	96
35	Integrinâ€specific hydrogels functionalized with VEGF for vascularization and bone regeneration of criticalâ€size bone defects. Journal of Biomedical Materials Research - Part A, 2016, 104, 889-900.	2.1	96
36	Receptor control in mesenchymal stem cell engineering. Nature Reviews Materials, 2018, 3, .	23.3	96

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37	Design of a vascularized synthetic poly(ethylene glycol) macroencapsulation device for islet transplantation. Biomaterials, 2018, 172, 54-65.	5.7	94
38	Micropatterned Surfaces to Engineer Focal Adhesions for Analysis of Cell Adhesion Strengthening. Langmuir, 2002, 18, 5579-5584.	1.6	93
39	Simple coating with fibronectin fragment enhances stainless steel screw osseointegration in healthy and osteoporotic rats. Biomaterials, 2015, 63, 137-145.	5.7	91
40	Matrix Mechanosensing: From Scaling Concepts in â€™Omics Data to Mechanisms in the Nucleus, Regeneration, and Cancer. Annual Review of Biophysics, 2017, 46, 295-315.	4.5	89
41	Implantable antimicrobial biomaterials for local drug delivery in bone infection models. Acta Biomaterialia, 2019, 93, 2-11.	4.1	89
42	Stick and Grip: Measurement Systems and Quantitative Analyses of Integrin-Mediated Cell Adhesion Strength. Cell Biochemistry and Biophysics, 2003, 39, 61-74.	0.9	86
43	Inhibition of Bacterial Adhesion on Nanotextured Stainless Steel 316L by Electrochemical Etching. ACS Biomaterials Science and Engineering, 2018, 4, 90-97.	2.6	86
44	Fibronectin Adsorption and Cell Adhesion to Mixed Monolayers of Tri(ethylene glycol)- and Methyl-Terminated Alkanethiolsâ€. Langmuir, 2003, 19, 1847-1852.	1.6	74
45	Effects of substrate stiffness and actomyosin contractility on coupling between force transmission and vinculinâ€“paxillin recruitment at single focal adhesions. Molecular Biology of the Cell, 2017, 28, 1901-1911.	0.9	74
46	Biomaterial-mediated strategies targeting vascularization for bone repair. Drug Delivery and Translational Research, 2016, 6, 77-95.	3.0	72
47	Protease-degradable microgels for protein delivery for vascularization. Biomaterials, 2017, 113, 170-175.	5.7	72
48	Simple application of fibronectinâ€“mimetic coating enhances osseointegration of titanium implants. Journal of Cellular and Molecular Medicine, 2009, 13, 2602-2612.	1.6	70
49	Lysostaphin and BMP-2 co-delivery reduces S. aureus infection and regenerates critical-sized segmental bone defects. Science Advances, 2019, 5, eaaw1228.	4.7	70
50	Inhaled bacteriophage-loaded polymeric microparticles ameliorate acute lung infections. Nature Biomedical Engineering, 2018, 2, 841-849.	11.6	68
51	IFN-Î³-tethered hydrogels enhance mesenchymal stem cell-based immunomodulation and promote tissue repair. Biomaterials, 2019, 220, 119403.	5.7	66
52	CIMÂ® monolithic anion-exchange chromatography as a useful alternative to CsCl gradient purification of bacteriophage particles. Virology, 2012, 434, 265-270.	1.1	65
53	Tuning cell adhesive properties via layer-by-layer assembly of chitosan and alginate. Acta Biomaterialia, 2017, 51, 279-293.	4.1	62
54	Engineered microenvironments for synergistic VEGF â€“ Integrin signalling during vascularization. Biomaterials, 2017, 126, 61-74.	5.7	61

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55	Microfluidic platform for studying osteocyte mechanoregulation of breast cancer bone metastasis. Integrative Biology (United Kingdom), 2019, 11, 119-129.	0.6	61
56	Bacteriophage delivering hydrogels reduce biofilm formation in vitro and infection in vivo. Journal of Biomedical Materials Research - Part A, 2020, 108, 39-49.	2.1	59
57	Biomimetic Surfaces for Control of Cell Adhesion to Facilitate Bone Formation. Critical Reviews in Eukaryotic Gene Expression, 2002, 12, 151-162.	0.4	58
58	Resolvin E1 is a pro-repair molecule that promotes intestinal epithelial wound healing. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9477-9482.	3.3	56
59	Photoâ€Activatable Surfaces for Cell Migration Assays. Advanced Functional Materials, 2013, 23, 5974-5980.	7.8	55
60	Nanoengineered Particles for Enhanced Intraâ€Articular Retention and Delivery of Proteins. Advanced Healthcare Materials, 2014, 3, 1562-1567.	3.9	55
61	Protease-degradable PEG-maleimide coating with on-demand release of IL-1Ra to improve tissue response to neural electrodes. Biomaterials, 2015, 44, 55-70.	5.7	55
62	Vinculin regulates directionality and cell polarity in two- and three-dimensional matrix and three-dimensional microtrack migration. Molecular Biology of the Cell, 2016, 27, 1431-1441.	0.9	55
63	Methods for Generating Hydrogel Particles for Protein Delivery. Annals of Biomedical Engineering, 2016, 44, 1946-1958.	1.3	54
64	Immunotherapy via PD-L1â€“presenting biomaterials leads to long-term islet graft survival. Science Advances, 2020, 6, eaba5573.	4.7	54
65	Intramyocardial Delivery ofNotchLigand-Containing Hydrogels Improves Cardiac Function and Angiogenesis Following Infarction. Tissue Engineering - Part A, 2015, 21, 2315-2322.	1.6	52
66	Bacteriaâ€Based Materials for Stem Cell Engineering. Advanced Materials, 2018, 30, e1804310.	11.1	52
67	Synthetic matrix enhances transplanted satellite cell engraftment in dystrophic and aged skeletal muscle with comorbid trauma. Science Advances, 2018, 4, eaar4008.	4.7	51
68	PEGâ€“Maleimide Hydrogels for Protein and Cell Delivery in Regenerative Medicine. Annals of Biomedical Engineering, 2014, 42, 312-322.	1.3	50
69	A rapid method for determining protein diffusion through hydrogels for regenerative medicine applications. APL Bioengineering, 2018, 2, 026110.	3.3	50
70	The modulation of cardiac progenitor cell function by hydrogel-dependent Notch1 activation. Biomaterials, 2014, 35, 8103-8112.	5.7	49
71	Adenosine Production by Biomaterialâ€Supported Mesenchymal Stromal Cells Reduces the Innate Inflammatory Response in Myocardial Ischemia/Reperfusion Injury. Journal of the American Heart Association, 2018, 7, .	1.6	48
72	Synthetic poly(ethylene glycol)-based microfluidic islet encapsulation reduces graft volume for delivery to highly vascularized and retrievable transplant site. American Journal of Transplantation, 2019, 19, 1315-1327.	2.6	48

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73	Focal adhesion kinaseâ€dependent regulation of adhesive forces involves vinculin recruitment to focal adhesions. Biology of the Cell, 2010, 102, 203-213.	0.7	44
74	Vinculin-dependent actin bundling regulates cell migration and traction forces. Biochemical Journal, 2015, 465, 383-393.	1.7	43
75	The effect of conditional inactivation of beta 1 integrins using twist 2 Cre, Osterix Cre and osteocalcin Cre lines on skeletal phenotype. Bone, 2014, 68, 131-141.	1.4	40
76	Biofunctional hydrogels for skeletal muscle constructs. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, 967-976.	1.3	40
77	Peptide-functionalized poly[oligo(ethylene glycol) methacrylate] brushes on dopamine-coated stainless steel for controlled cell adhesion. Acta Biomaterialia, 2017, 59, 108-116.	4.1	37
78	Co-delivery of Wnt7a and muscle stem cells using synthetic bioadhesive hydrogel enhances murine muscle regeneration and cell migration during engraftment. Acta Biomaterialia, 2019, 94, 243-252.	4.1	36
79	Engineering hydrogels with affinity-bound laminin as 3D neural stem cell culture systems. Biomaterials Science, 2019, 7, 5338-5349.	2.6	35
80	Tobacco Mosaic Virus Functionalized Alginate Hydrogel Scaffolds for Bone Regeneration in Rats with Cranial Defect. ACS Biomaterials Science and Engineering, 2016, 2, 606-615.	2.6	34
81	TNFÎ± promotes mucosal wound repair through enhanced platelet activating factor receptor signaling in the epithelium. Mucosal Immunology, 2019, 12, 909-918.	2.7	34
82	Toll-like receptor 2-modulating pectin-polymers in alginate-based microcapsules attenuate immune responses and support islet-xenograft survival. Biomaterials, 2021, 266, 120460.	5.7	34
83	FasL microgels induce immune acceptance of islet allografts in nonhuman primates. Science Advances, 2022, 8, eabm9881.	4.7	32
84	A blueprint for academic laboratories to produce SARS-CoV-2 quantitative RT-PCR test kits. Journal of Biological Chemistry, 2020, 295, 15438-15453.	1.6	31
85	Engineered matrices for skeletal muscle satellite cell engraftment and function. Matrix Biology, 2017, 60-61, 96-109.	1.5	30
86	Localized immune tolerance from FasL-functionalized PLG scaffolds. Biomaterials, 2019, 192, 271-281.	5.7	30
87	Biomaterial strategies for improved intraâ€articular drug delivery. Journal of Biomedical Materials Research - Part A, 2021, 109, 426-436.	2.1	30
88	Articular Cartilage- and Synoviocyte-Binding Poly(ethylene glycol) Nanocomposite Microgels as Intra-Articular Drug Delivery Vehicles for the Treatment of Osteoarthritis. ACS Biomaterials Science and Engineering, 2020, 6, 5084-5095.	2.6	29
89	Sensing rigidity. Nature Materials, 2014, 13, 539-540.	13.3	28
90	Evaluation of Hydrogels Presenting Extracellular Matrix-Derived Adhesion Peptides and Encapsulating Cardiac Progenitor Cells for Cardiac Repair. ACS Biomaterials Science and Engineering, 2018, 4, 200-210.	2.6	28

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91	Synthesis of selfâ€assembled ILâ€1Raâ€presenting nanoparticles for the treatment of osteoarthritis. Journal of Biomedical Materials Research - Part A, 2016, 104, 595-599.	2.1	27
92	Dual delivery of IL-10 and AT-RvD1 from PEG hydrogels polarize immune cells towards pro-regenerative phenotypes. Biomaterials, 2021, 268, 120475.	5.7	27
93	Force-FAK signaling coupling at individual focal adhesions coordinates mechanosensing and microtissue repair. Nature Communications, 2021, 12, 2359.	5.8	27
94	Synchronized cell attachment triggered by photo-activatable adhesive ligands allows QCM-based detection of early integrin binding. Scientific Reports, 2015, 5, 9533.	1.6	26
95	A Minimally Invasive, Translational Method to Deliver Hydrogels to the Heart ThroughÂthe Pericardial Space. JACC Basic To Translational Science, 2017, 2, 601-609.	1.9	26
96	Desmocollin-2 promotes intestinal mucosal repair by controlling integrin-dependent cell adhesion and migration. Molecular Biology of the Cell, 2020, 31, 407-418.	0.9	26
97	Localized Immunomodulation with PD-L1 Results in Sustained Survival and Function of Allogeneic Islets without Chronic Immunosuppression. Journal of Immunology, 2020, 204, 2840-2851.	0.4	26
98	Bio-synthetic materials for immunomodulation of islet transplants. Advanced Drug Delivery Reviews, 2017, 114, 266-271.	6.6	25
99	Triple growth factor delivery promotes functional bone regeneration following composite musculoskeletal trauma. Acta Biomaterialia, 2021, 127, 180-192.	4.1	25
100	Inhibition of TBK1/IKKÎµ Promotes Regeneration of Pancreatic Î²-cells. Scientific Reports, 2018, 8, 15587.	1.6	24
101	Endothelial retention and phenotype on carbonized cardiovascular implant surfaces. Biomaterials, 2014, 35, 7714-7723.	5.7	21
102	Linkage Groups within Thiolâ€“Ene Photoclickable PEG Hydrogels Control In Vivo Stability. Advanced Healthcare Materials, 2019, 8, e1900371.	3.9	21
103	Dynamic culture substrate that captures a specific extracellular matrix protein in response to light. Science and Technology of Advanced Materials, 2011, 12, 044608.	2.8	19
104	Phototriggered fibril-like environments arbitrate cell escapes and migration from endothelial monolayers. Biomaterials, 2016, 82, 113-123.	5.7	19
105	PEG hydrogel containing calcium-releasing particles and mesenchymal stromal cells promote vessel maturation. Acta Biomaterialia, 2018, 67, 53-65.	4.1	19
106	Evaluation of encapsulating and microporous nondegradable hydrogel scaffold designs on islet engraftment in rodent models of diabetes. Biotechnology and Bioengineering, 2018, 115, 2356-2364.	1.7	19
107	Heparin/Collagen Coatings Improve Human Mesenchymal Stromal Cell Response to Interferon Gamma. ACS Biomaterials Science and Engineering, 2019, 5, 2793-2803.	2.6	19
108	Engineered materials to model human intestinal development and cancer using organoids. Experimental Cell Research, 2019, 377, 109-114.	1.2	19

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109	Optoregulated force application to cellular receptors using molecular motors. Nature Communications, 2021, 12, 3580.	5.8	19
110	Generation of small intestinal organoids for experimental intestinal physiology. Methods in Cell Biology, 2020, 159, 143-174.	0.5	18
111	Microfluidics generation of chitosan microgels containing glycerylphytate crosslinker for in situ human mesenchymal stem cells encapsulation. Materials Science and Engineering C, 2021, 120, 111716.	3.8	18
112	Near-infrared fluorescence imaging as an alternative to bioluminescent bacteria to monitor biomaterial-associated infections. Acta Biomaterialia, 2014, 10, 2935-2944.	4.1	17
113	Hic-5 Mediates TGFÎ²â€“Induced Adhesion in Vascular Smooth Muscle Cells by a Nox4-Dependent Mechanism. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1198-1206.	1.1	17
114	Minimally Invasive Delivery of Hydrogel-Encapsulated Amiodarone to the Epicardium Reduces Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006408.	2.1	17
115	Engineered Biomaterials for Enhanced Function of Insulinâ€Secreting Î²â€Cell Organoids. Advanced Functional Materials, 2020, 30, 2000134.	7.8	16
116	Functionalization of Alginate with Extracellular Matrix Peptides Enhances Viability and Function of Encapsulated Porcine Islets. Advanced Healthcare Materials, 2020, 9, e2000102.	3.9	15
117	Analyzing immune response to engineered hydrogels by hierarchical clustering of inflammatory cell subsets. Science Advances, 2022, 8, eabd8056.	4.7	15
118	Hydrolytically Degradable Microgels with Tunable Mechanical Properties Modulate the Host Immune Response. Small, 2022, 18, e2106896.	5.2	14
119	Bone Cells Grown on Micropatterned Surfaces are More Sensitive to Fluid Shear Stress. Cellular and Molecular Bioengineering, 2008, 1, 182-188.	1.0	13
120	Controlled JAGGED1 delivery induces human embryonic palate mesenchymal cells to form osteoblasts. Journal of Biomedical Materials Research - Part A, 2018, 106, 552-560.	2.1	13
121	Surveillance-to-Diagnostic Testing Program for Asymptomatic SARS-CoV-2 Infections on a Large, Urban Campus in Fall 2020. Epidemiology, 2022, 33, 209-216.	1.2	13
122	Synthetic Matrix Scaffolds Engineer the In Vivo Tumor Immune Microenvironment for Immunotherapy Screening. Advanced Materials, 2022, 34, e2108084.	11.1	13
123	Synthetic hydrogels identify matrix physicochemical properties required for renal epithelial cell tubulogenesis. Journal of Cell Science, 2019, 132, .	1.2	12
124	An affinity-based approach to engineer laminin-presenting cell instructive microenvironments. Biomaterials, 2019, 192, 601-611.	5.7	12
125	Contributions of the integrin Î²1 tail to cell adhesive forces. Experimental Cell Research, 2015, 332, 212-222.	1.2	11
126	Localized hydrogel delivery of dendritic cells for attenuation of multiple sclerosis in a murine model. Journal of Biomedical Materials Research - Part A, 2021, 109, 1247-1255.	2.1	11

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127	Material-driven fibronectin assembly rescues matrix defects due to mutations in collagen IV in fibroblasts. Biomaterials, 2020, 252, 120090.	5.7	9
128	Synthetic hydrogels engineered to promote collecting lymphatic vessel sprouting. Biomaterials, 2022, 284, 121483.	5.7	9
129	Human mesenchymal stem cell behavior on segmented polyurethanes prepared with biologically active chain extenders. Journal of Materials Science: Materials in Medicine, 2016, 27, 38.	1.7	8
130	Bacteriophageâ€Loaded Poly(lacticâ€coâ€glycolic acid) Microparticles Mitigate Staphylococcus aureus Infection and Cocultures of Staphylococcus aureus and Pseudomonas aeruginosa. Advanced Healthcare Materials, 2022, 11, e2102539.	3.9	8
131	The intersection of fracture healing and infection: Orthopaedics research society workshop 2021. Journal of Orthopaedic Research, 2022, 40, 541-552.	1.2	8
132	Brief exposure to hyperglycemia activates dendritic cells in vitro and in vivo. Journal of Cellular Physiology, 2020, 235, 5120-5129.	2.0	7
133	JAGGED1 stimulates cranial neural crest cell osteoblast commitment pathways and bone regeneration independent of canonical NOTCH signaling. Bone, 2021, 143, 115657.	1.4	7
134	Engineering Î² Cell Replacement Therapies for Type 1 Diabetes: Biomaterial Advances and Considerations for Macroscale Constructs. Annual Review of Pathology: Mechanisms of Disease, 2022, 17, 485-513.	9.6	7
135	Bioactive Hydrogels: Maleimide Crossâ€Linked Bioactive PEG Hydrogel Exhibits Improved Reaction Kinetics and Crossâ€Linking for Cell Encapsulation and In Situ Delivery (Adv. Mater. 1/2012). Advanced Materials, 2012, 24, 2-2.	11.1	6
136	The Extracellular Matrix and Cellâ€“Biomaterial Interactions. , 2020, , 701-715.		6
137	A hydrogel platform for coâ€delivery of immunomodulatory proteins for pancreatic islet allografts. Journal of Biomedical Materials Research - Part A, 2022, 110, 1728-1737.	2.1	6
138	Tumor-Initiating Cells: Emerging Biophysical Methods of Isolation. Current Stem Cell Reports, 2016, 2, 21-32.	0.7	5
139	Highâ€throughput onâ€chip human mesenchymal stromal cell potency prediction. Advanced Healthcare Materials, 2021, , 2101995.	3.9	4
140	Host type 2 immune response to xenogeneic serum components impairs biomaterial-directed osteo-regenerative therapies. Biomaterials, 2022, 286, 121601.	5.7	4
141	Enabling mesenchymal stromal cell immunomodulatory analysis using scalable platforms. Integrative Biology (United Kingdom), 2019, 11, 154-162.	0.6	3
142	A Hydrogel Strategy to Augment Tissue Adenosine to Improve Hindlimb Perfusion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e314-e324.	1.1	3
143	High Fidelity Nanopatterning of Proteins onto Well-Defined Surfaces Through Subtractive Contact Printing. Methods in Cell Biology, 2014, 119, 277-292.	0.5	2
144	Addressing cell-sourcing limitations with gene therapy - Genetic engineering with runx2/cbfa1 for an alternative to biological grafts. IEEE Engineering in Medicine and Biology Magazine, 2003, 22, 65-70.	1.1	1

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145	Drug Delivery: Nanoengineered Particles for Enhanced Intra-Articular Retention and Delivery of Proteins (Adv. Healthcare Mater. 10/2014). Advanced Healthcare Materials, 2014, 3, 1561-1561.	3.9	1
146	Bob Neremâ€™s The Rules of Life. Regenerative Engineering and Translational Medicine, 2022, 8, 504-505.	1.6	1
147	Photoactive Biomaterials: Photo-Activatable Surfaces for Cell Migration Assays (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	7.8	0
148	Robert M. Nerem â€“ International expert on mechanobiology, cellular engineering, tissue engineering and regenerative medicine. Regenerative Therapy, 2020, 15, 34.	1.4	0
149	Hydrodynamic shear-based purification of cancer cells with enhanced tumorigenic potential. Integrative Biology (United Kingdom), 2020, 12, 1-11.	0.6	0
150	Capsules of Chitosan a tailor drug delivery system with controlled release for specific organs Â. , 0, , .		0