

Julia E Babensee

List of Publications by Year in descending order

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39
papers

2,832
citations

257357

24
h-index

315616

38
g-index

39
all docs

39
docs citations

39
times ranked

3317
citing authors

#	ARTICLE	IF	CITATIONS
1	Host response to tissue engineered devices. <i>Advanced Drug Delivery Reviews</i> , 1998, 33, 111-139.	6.6	510
2	Growth factor delivery for tissue engineering. <i>Pharmaceutical Research</i> , 2000, 17, 497-504.	1.7	402
3	Macrophage and dendritic cell phenotypic diversity in the context of biomaterials. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 96A, 239-260.	2.1	161
4	Biomaterial Strategies for Immunomodulation. <i>Annual Review of Biomedical Engineering</i> , 2015, 17, 317-349.	5.7	132
5	Differential functional effects of biomaterials on dendritic cell maturation. <i>Acta Biomaterialia</i> , 2012, 8, 3606-3617.	4.1	131
6	Interaction of dendritic cells with biomaterials. <i>Seminars in Immunology</i> , 2008, 20, 101-108.	2.7	130
7	Poly(lactic-co-glycolic acid) enhances maturation of human monocyte-derived dendritic cells. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 71A, 45-54.	3.0	125
8	Differential levels of dendritic cell maturation on different biomaterials used in combination products. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 74A, 503-510.	2.1	121
9	Reduced acute inflammatory responses to microgel conformal coatings. <i>Biomaterials</i> , 2008, 29, 4605-4615.	5.7	114
10	Role of plasma fibronectin in the foreign body response to biomaterials. <i>Biomaterials</i> , 2007, 28, 3626-3631.	5.7	109
11	The effect of the physical form of poly(lactic-co-glycolic acid) carriers on the humoral immune response to co-delivered antigen. <i>Biomaterials</i> , 2005, 26, 2991-2999.	5.7	96
12	Differential effects of agarose and poly(lactic-co-glycolic acid) on dendritic cell maturation. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 79A, 393-408.	2.1	81
13	Humoral immune responses to model antigen co-delivered with biomaterials used in tissue engineering. <i>Biomaterials</i> , 2004, 25, 295-304.	5.7	76
14	Effect of poly(lactic-co-glycolic acid) contact on maturation of murine bone marrow-derived dendritic cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 7-12.	2.1	70
15	Dendritic cell responses to surface properties of clinical titanium surfaces. <i>Acta Biomaterialia</i> , 2011, 7, 1354-1363.	4.1	58
16	Predicting biomaterial property-dendritic cell phenotype relationships from the multivariate analysis of responses to polymethacrylates. <i>Biomaterials</i> , 2012, 33, 1699-1713.	5.7	51
17	Molecular aspects of microparticle phagocytosis by dendritic cells. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 893-907.	1.9	45
18	Altered adherent leukocyte profile on biomaterials in Toll-like receptor 4 deficient mice. <i>Biomaterials</i> , 2010, 31, 594-601.	5.7	44

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19	The role of integrins in the recognition and response of dendritic cells to biomaterials. <i>Biomaterials</i> , 2011, 32, 1270-1279.	5.7	44
20	Development and in vitro validation of a targeted delivery vehicle for DNA vaccines. <i>Journal of Controlled Release</i> , 2006, 112, 271-279.	4.8	42
21	Biomaterial adjuvant effect is attenuated by anti-inflammatory drug delivery or material selection. <i>Journal of Controlled Release</i> , 2010, 146, 341-348.	4.8	34
22	Phenotype and polarization of autologous T cells by biomaterial-treated dendritic cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 170-184.	2.1	32
23	Viability of HEMA-MMA Microencapsulated Model Hepatoma Cells in Rats and the Host Response. <i>Tissue Engineering</i> , 2000, 6, 165-182.	4.9	30
24	Complimentary Endothelial Cell/Smooth Muscle Cell Co-Culture Systems with Alternate Smooth Muscle Cell Phenotypes. <i>Annals of Biomedical Engineering</i> , 2007, 35, 1382-1390.	1.3	25
25	Interconnections between Inflammatory and Immune Responses in Tissue Engineering. <i>Annals of the New York Academy of Sciences</i> , 2002, 961, 360-363.	1.8	20
26	Dendritic cell responses to self-assembled monolayers of defined chemistries. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1487-1499.	2.1	18
27	Validation of a high-throughput methodology to assess the effects of biomaterials on dendritic cell phenotype. <i>Acta Biomaterialia</i> , 2010, 6, 2621-2630.	4.1	18
28	Procoagulant phenotype of endothelial cells after coculture with biomaterial-treated blood cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 72A, 269-278.	2.1	14
29	Smooth muscle cell phenotype alters cocultured endothelial cell response to biomaterial-pretreated leukocytes. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 661-671.	2.1	13
30	Immunoblot analysis of proteins associated with self-assembled monolayer surfaces of defined chemistries. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 7-18.	2.1	12
31	Molecular factors in dendritic cell responses to adsorbed glycoconjugates. <i>Biomaterials</i> , 2014, 35, 5862-5874.	5.7	12
32	Profiles of carbohydrate ligands associated with adsorbed proteins on self-assembled monolayers of defined chemistries. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1329-1342.	2.1	11
33	Localized hydrogel delivery of dendritic cells for attenuation of multiple sclerosis in a murine model. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 1247-1255.	2.1	11
34	Controlled Delivery of Immunomodulators from a Biomaterial Scaffold Niche to Induce a Tolerogenic Phenotype in Human Dendritic Cells. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4062-4076.	2.6	10
35	Proinflammatory phenotype of endothelial cells after coculture with biomaterial-treated blood cells. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 64A, 397-410.	3.0	8
36	Brief exposure to hyperglycemia activates dendritic cells in vitro and in vivo. <i>Journal of Cellular Physiology</i> , 2020, 235, 5120-5129.	2.0	7

#	ARTICLE	IF	CITATIONS
37	Innate and Adaptive Immune Responses in Tissue Engineering. , 2009, , 721-747.		6
38	Comparative characterization of cultures of primary human macrophages or dendritic cells relevant to biomaterial studies. Journal of Biomedical Materials Research - Part A, 2010, 92A, 791-800.	2.1	5
39	Dendritic cells support a proliferative antigen-specific T cell response in the presence of poly(lactic-co-glycolic acid). Journal of Biomedical Materials Research - Part A, 2021, 109, 2269-2279.	2.1	4