Susan R Sandeman

List of Publications by Year
in descending order

37 papers	1,279 citations	331670 21 h-index	361022 35 g-index
37 all docs	37 docs citations	37 times ranked	1876 citing authors

#	Article	IF	Citations
1	Nano carriers for drug transport across the bloodâ€“brain barrier. Journal of Drug Targeting, 2017, 25, 17-28.	4.4	187
2	MXene Sorbents for Removal of Urea from Dialysate: A Step toward the Wearable Artificial Kidney. ACS Nano, 2018, 12, 10518-10528.	14.6	174
3	Mesoporous carbide-derived carbon with porosity tuned for efficient adsorption of cytokines. Biomaterials, 2006, 27, 5755-5762.	11.4	119
4	Affinity binding of antibodies to supermacroporous cryogel adsorbents with immobilized protein A for removal of anthrax toxin protective antigen. Biomaterials, 2015, 50, 140-153.	11.4	64
5	Multiple drug delivery from the drug-implants-laden silicone contact lens: Addressing the issue of burst drug release. Materials Science and Engineering C, 2020, 112, 110885.	7.3	60
6	Reduced protein bound uraemic toxins in vegetarian kidney failure patients treated by haemodiafiltration. Hemodialysis International, 2016, 20, 610-617.	0.9	57
7	Mesoporous carbide-derived carbon for cytokine removal from blood plasma. Biomaterials, 2010, 31, 4789-4794.	11.4	46
8	The in vitro adsorption of cytokines by polymer-pyrolysed carbon. Biomaterials, 2006, 27, 5286-5291.	11.4	38
9	Plackett-Burman design for screening of critical variables and their effects on the optical transparency and swelling of gatifloxacin-Pluronic-loaded contact lens. International Journal of Pharmaceutics, 2019, 566, 513-519.	5.2	38
10	Inflammatory cytokine removal by an activated carbon device in a flowing system. Biomaterials, 2008, 29, 1638-1644.	11.4	34
11	Hierarchical Porous Carbideâ€Derived Carbons for the Removal of Cytokines from Blood Plasma. Advanced Healthcare Materials, 2012, 1, 796-800.	7.6	33
12	A haemocompatible and scalable nanoporous adsorbent monolith synthesised using a novel lignin binder route to augment the adsorption of poorly removed uraemic toxins in haemodialysis. Biomedical Materials (Bristol), 2017, 12, 035001.	3.3	29
13	Electrically conductive MEH-PPV:PCL electrospun nanofibres for electrical stimulation of rat PC12 pheochromocytoma cells. Biomaterials Science, 2018, 6, 2342-2359.	5.4	29
14	Assessing the in vitro biocompatibility of a novel carbon device for the treatment of sepsis. Biomaterials, 2005, 26, 7124-7131.	11.4	28
15	The in vitro corneal biocompatibility of hydroxyapatite coated carbon mesh. Biomaterials, 2009, 30, 3143-3149.	11.4	28
16	An adsorbent monolith device to augment the removal of uraemic toxins during haemodialysis. Journal of Materials Science: Materials in Medicine, 2014, 25, 1589-1597.	3.6	28
17	Activation-Dependent Adsorption of Cytokines and Toxins Related to Liver Failure to Carbon Beads. Biomacromolecules, 2011, 12, 3733-3740.	5.4	26
18	2D Titanium Carbide (Ti₃C₂T_x) in Accommodating Intraocular Lens Design. Advanced Functional Materials, 2020, 30, 2000841.	14.9	26

#	Article	IF	Citations
19	Examining porous bio-active glass as a potential osteo-odonto-keratoprosthetic skirt material. Journal of Materials Science: Materials in Medicine, 2013, 24, 1217-1227.	3.6	24
20	Amine-Functionalized Electrically Conductive Coreâ€“Sheath MEH-PPV:PCL Electrospun Nanofibers for Enhanced Cellâ€“Biomaterial Interactions. ACS Biomaterials Science and Engineering, 2018, 4, 3327-3346.	5.2	24
21	Composites with Macroporous Poly(vinyl alcohol) Cryogels with Attached Activated Carbon Microparticles with Controlled Accessibility of a Surface. ACS Applied Materials & Interfaces, 2012, 4, 5936-5944.	8.0	23
22	Human keratocyte migration into collagen gels declines with in vitro ageing. Mechanisms of Ageing and Development, 2000, 119, 149-157.	4.6	16
23	Moderating cellular inflammation using 2-dimensional titanium carbide MXene and graphene variants. Biomaterials Science, 2021, 9, 1805-1815.	5.4	16
24	Factors Affecting Posterior Capsule Opacification in the Development of Intraocular Lens Materials. Pharmaceutics, 2021, 13, 860.	4.5	16
25	Nanoporous Activated Carbon Beads and Monolithic Columns as Effective Hemoadsorbents for Inflammatory Cytokines. International Journal of Artificial Organs, 2013, 36, 624-632.	1.4	13
26	Biomineralised interpenetrating network hydrogels for bone tissue engineering. Bioinspired, Biomimetic and Nanobiomaterials, 2016, 5, 12-23.	0.9	13
27	A Standard Strain of Human Ocular Keratocytes. Ophthalmic Research, 1999, 31, 33-41.	1.9	12
28	Biomedical Applications of Carbon Adsorbents. , 2012, , 639-669.		12
29	Rapid Adsorption of Proinflammatory Cytokines by Graphene Nanoplatelets and Their Composites for Extracorporeal Detoxification. Journal of Nanomaterials, 2018, 2018, 1-8.	2.7	12
30	Surface-Functionalized Conducting Nanofibers for Electrically Stimulated Neural Cell Function. Biomacromolecules, 2021, 22, 594-611.	5.4	12
31	Synthesis of the polymerizable room temperature ionic liquid AMPS â€“ TEA and superabsorbency for organic liquids of its copolymeric gels with acrylamide. Designed Monomers and Polymers, 2014, 17, 140-146.	1.6	9
32	Bioinspired detoxification of blood: The efficient removal of anthrax toxin protective antigen using an extracorporeal macroporous adsorbent device. Scientific Reports, 2018, 8, 7518.	3.3	9
33	Biomimetic bone-like composites as osteo-odonto-keratoprosthesis skirt substitutes. Journal of Biomaterials Applications, 2021, 35, 1043-1060.	2.4	7
34	Synthesis, Chloramphenicol Uptake, and In Vitro Release of Poly(AMPSâ€“TEA-Co-AAm) Gels with Affinity for Both Water and Alcohols. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 73-79.	3.4	6
35	Characterising Nanoporous Carbon Adsorbents for Biological Application to Chronic Kidney Disease. Journal of Biomaterials and Tissue Engineering, 2012, 2, 40-47.	0.1	5
36	Cytokine Removal: Hierarchical Porous Carbideâ€Derived Carbons for the Removal of Cytokines from Blood Plasma (Adv. Healthcare Mater. 6/2012). Advanced Healthcare Materials, 2012, 1, 682-682.	7.6	3

#	Article	IF	Citations
37	Bioengineering a cryogel-derived bioartificial liver using particle image velocimetry defined fluid dynamics. Materials Science and Engineering C, 2021, 123, 111983.	7.3	3