

# Kerr H Matthews

## List of Publications by Year in descending order

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34  
papers

3,113  
citations

430442

18  
h-index

395343

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

4962  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wound Healing Dressings and Drug Delivery Systems: A Review. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 2892-2923.	1.6	2,194
2	Characterisation of freeze-dried wafers and solvent evaporated films as potential drug delivery systems to mucosal surfaces. <i>International Journal of Pharmaceutics</i> , 2010, 389, 24-31.	2.6	104
3	Lyophilised wafers as a drug delivery system for wound healing containing methylcellulose as a viscosity modifier. <i>International Journal of Pharmaceutics</i> , 2005, 289, 51-62.	2.6	87
4	Development and mechanical characterization of solvent-cast polymeric films as potential drug delivery systems to mucosal surfaces. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 986-996.	0.9	85
5	The hen's egg chorioallantoic membrane (HET-CAM) test to predict the ophthalmic irritation potential of a cysteamine-containing gel: Quantification using Photoshop® and ImageJ. <i>International Journal of Pharmaceutics</i> , 2015, 490, 1-8.	2.6	76
6	In vitro drug release studies of polymeric freeze-dried wafers and solvent-cast films using paracetamol as a model soluble drug. <i>International Journal of Pharmaceutics</i> , 2009, 378, 66-72.	2.6	64
7	Thermoreversible polymer gel electrolytes. <i>Polymer</i> , 1994, 35, 3363-3372.	1.8	48
8	Gamma-irradiation of lyophilised wound healing wafers. <i>International Journal of Pharmaceutics</i> , 2006, 313, 78-86.	2.6	41
9	Formulation, stability and thermal analysis of lyophilised wound healing wafers containing an insoluble MMP-3 inhibitor and a non-ionic surfactant. <i>International Journal of Pharmaceutics</i> , 2008, 356, 110-120.	2.6	35
10	Novel Blood-Compatible Polyurethanes Containing Poly(butadiene) Soft Segments and Phosphatidylcholine Analogues for Biomedical Applications. <i>Chemistry of Materials</i> , 1996, 8, 1441-1450.	3.2	34
11	Gel formulations for treatment of the ophthalmic complications in cystinosis. <i>International Journal of Pharmaceutics</i> , 2010, 392, 192-197.	2.6	33
12	Production and Evaluation of an Antimicrobial Peptide-Containing Wafer Formulation for Topical Application. <i>Current Microbiology</i> , 2013, 66, 271-278.	1.0	33
13	Colistin causes profound morphological alteration but minimal cytoplasmic membrane perforation in populations of <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> . <i>Archives of Microbiology</i> , 2018, 200, 793-802.	1.0	33
14	Novel blood compatible polyurethanes containing long-chain alkyl groups and phosphatidylcholine analogues. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 3143-3153.	1.1	28
15	Synthesis and blood compatibility evaluation of segmented polyurethanes based on cholesterol and phosphatidylcholine analogous moieties. <i>Biomaterials</i> , 1996, 17, 2179-2189.	5.7	28
16	Comparison of the in vitro release characteristics of mucosal freeze-dried wafers and solvent-cast films containing an insoluble drug. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 47-54.	0.9	28
17	<sup>1</sup> H and <sup>13</sup> C nuclear magnetic resonance studies of the synthesis of linear segmented polyurethane elastomers. <i>British Polymer Journal</i> , 1987, 19, 165-179.	0.7	20
18	Structural and thermal degradation behaviour of reclaimed clay nano-reinforced low-density polyethylene nanocomposites. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	20

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19	Preformulation of cysteamine gels for treatment of the ophthalmic complications in cystinosis. <i>International Journal of Pharmaceutics</i> , 2016, 515, 575-582.	2.6	18
20	Synthesis and properties of phospholipid polyurethanes with poly(isoprene) soft segment. <i>Journal of Applied Polymer Science</i> , 1996, 62, 687-694.	1.3	17
21	<i>In vitro</i> efficacy of antimicrobial wafers against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Therapeutic Delivery</i> , 2012, 3, 443-455.	1.2	17
22	Lyophilised wafers as vehicles for the topical release of chlorhexidine digluconate—Release kinetics and efficacy against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Pharmaceutics</i> , 2012, 439, 157-164.	2.6	16
23	Rheological properties of gamma-irradiated antimicrobial wafers and <i>in vitro</i> efficacy against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Pharmaceutics</i> , 2013, 453, 462-472.	2.6	9
24	Silymarin released from sterile wafers restores glucose impaired endothelial cell migration. <i>International Journal of Pharmaceutics</i> , 2013, 457, 40-49.	2.6	7
25	A preliminary investigation to group disparate batches of licit and illicit diazepam tablets using differential scanning calorimetry. <i>Analytical Methods</i> , 2015, 7, 8597-8604.	1.3	7
26	Suppository formulations as a potential treatment for nephropathic cystinosis. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 3729-3738.	1.6	6
27	Potassium Loss from Chlorhexidine-Treated Bacterial Pathogens is Time- and Concentration-Dependent and Variable Between Species. <i>Current Microbiology</i> , 2014, 68, 6-11.	1.0	5
28	Characterisation of illicit ecstasy and diazepam tablets by colorant identification. <i>Analytical Methods</i> , 2018, 10, 2048-2055.	1.3	5
29	Model studies on the cure of a polyurethane elastomer—Kinetics and physical properties. <i>European Polymer Journal</i> , 1991, 27, 867-873.	2.6	4
30	Oil-based mud waste reclamation and utilisation in low-density polyethylene composites. <i>Waste Management and Research</i> , 2020, 38, 1331-1344.	2.2	4
31	The effect of microphase separated structures on the blood contacting properties of a series of linear segmented poly(etherurethaneurea) elastomers. <i>Materials Science and Engineering C</i> , 1994, 2, 51-59.	3.8	3
32	Role of HIF1 $\alpha$ and PKC $\beta$ in mediating the effect of oxygen and glucose in a novel wound assay. <i>Microvascular Research</i> , 2013, 88, 61-69.	1.1	3
33	Evidence for the formation of ether linkages during the synthesis of poly(ethylene phthalate). <i>European Polymer Journal</i> , 1993, 29, 1505-1512.	2.6	1
34	Conference Report: UK PharmSci 2010: The Science of Medicines. <i>Therapeutic Delivery</i> , 2010, 1, 753-755.	1.2	0