

# Steve P Rannard

## List of Publications by Year in descending order

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115  
papers

4,465  
citations

136950  
32  
h-index

114465  
63  
g-index

126  
all docs

126  
docs citations

126  
times ranked

6077  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chasing COVID-19 chemotherapeutics without putting the cart before the horse. <i>British Journal of Clinical Pharmacology</i> , 2023, 89, 421-423.	2.4	5
2	Dual-responsive degradable core-shell nanogels with tuneable aggregation behaviour. <i>RSC Advances</i> , 2022, 12, 2196-2206.	3.6	10
3	Randomised controlled trial of intravenous nafamostat mesylate in COVID pneumonitis: Phase 1b/2a experimental study to investigate safety, Pharmacokinetics and Pharmacodynamics. <i>EBioMedicine</i> , 2022, 76, 103856.	6.1	38
4	Linear and branched polymer prodrugs of the water-soluble nucleoside reverse-transcriptase inhibitor emtricitabine as structural materials for long-acting implants. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4395-4404.	5.8	3
5	Dose prediction for repurposing nitazoxanide in SARS-CoV-2 treatment or chemoprophylaxis. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 2078-2088.	2.4	46
6	Efficacy and safety of nitazoxanide plus atazanavir/ritonavir for the treatment of moderate to severe COVID-19 (NACOVID): A structured summary of a study protocol for a randomised controlled trial. <i>Trials</i> , 2021, 22, 3.	1.6	5
7	Quantification of branching within high molecular weight polymers with polyester backbones formed by transfer-dominated branching radical telomerisation (TBRT). <i>RSC Advances</i> , 2021, 11, 24374-24380.	3.6	7
8	Redispersible nanosuspensions as a plausible oral delivery system for curcumin. <i>Food Hydrocolloids</i> , 2021, 121, 107005.	10.7	17
9	Scalable nanoprecipitation of niclosamide and <i>in vivo</i> demonstration of long-acting delivery after intramuscular injection. <i>Nanoscale</i> , 2021, 13, 6410-6416.	5.6	11
10	Impact of multi-vinyl taxogen dimensions on high molecular weight soluble polymer synthesis using transfer-dominated branching radical telomerisation. <i>Polymer Chemistry</i> , 2021, 12, 6472-6483.	3.9	5
11	Impact of long-acting therapies on the global HIV epidemic. <i>Aids</i> , 2021, 35, S137-S143.	2.2	16
12	Evaluating the impact of systematic hydrophobic modification of model drugs on the control, stability and loading of lipid-based nanoparticles. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9874-9884.	5.8	9
13	Critical considerations for targeting colorectal liver metastases with nanotechnology. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1588.	6.1	14
14	Controlled synthesis of calcium carbonate nanoparticles and stimuli-responsive multi-layered nanocapsules for oral drug delivery. <i>International Journal of Pharmaceutics</i> , 2020, 574, 118866.	5.2	45
15	Optimization of the synthetic parameters of lipid polymer hybrid nanoparticles dual loaded with darunavir and ritonavir for the treatment of HIV. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119794.	5.2	22
16	Hyperbranched polymers with step-growth chemistries from transfer-dominated branching radical telomerisation (TBRT) of divinyl monomers. <i>Polymer Chemistry</i> , 2020, 11, 7637-7649.	3.9	12
17	Insights into the internal structures of nanogels using a versatile asymmetric-flow field-flow fractionation method. <i>Nanoscale Advances</i> , 2020, 2, 4713-4721.	4.6	13
18	Mucus-responsive functionalized emulsions: design, synthesis and study of novel branched polymers as functional emulsifiers. <i>RSC Advances</i> , 2020, 10, 30463-30475.	3.6	10

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19	Prioritization of Anti- <i>SARS-CoV-2</i> Drug Repurposing Opportunities Based on Plasma and Target Site Concentrations Derived from their Established Human Pharmacokinetics. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 108, 775-790.	4.7	118
20	Safety assessment of a new nanoemulsion-based drug-delivery system reveals unexpected, drug-free anticoagulant activity. <i>Nanomedicine</i> , 2020, 15, 1361-1373.	3.3	0
21	Architectural control of polystyrene physical properties using branched anionic polymerization initiated at ambient temperature. <i>Journal of Polymer Science</i> , 2020, 58, 1426-1438.	3.8	5
22	Designing single trigger/dual-response release and degradation into amine-functional hyperbranched-polydendron nanoprecipitates. <i>Nanoscale Advances</i> , 2020, 2, 5468-5477.	4.6	3
23	Using pyrene to probe the effects of poloxamer stabilisers on internal lipid microenvironments in solid lipid nanoparticles. <i>Nanoscale Advances</i> , 2020, 2, 5572-5577.	4.6	5
24	Improving maraviroc oral bioavailability by formation of solid drug nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 138, 30-36.	4.3	17
25	Long-Acting Injectable Statins—Is It Time for a Paradigm Shift?. <i>Molecules</i> , 2019, 24, 2685.	3.8	7
26	Expanding the monomer scope of linear and branched vinyl polymerisations via copper-catalysed reversible-deactivation radical polymerisation of hydrophobic methacrylates using anhydrous alcohol solvents. <i>Polymer Chemistry</i> , 2019, 10, 5103-5115.	3.9	10
27	Semi-solid prodrug nanoparticles for long-acting delivery of water-soluble antiretroviral drugs within combination HIV therapies. <i>Nature Communications</i> , 2019, 10, 1413.	12.8	34
28	Anhydrous nanoprecipitation for the preparation of nanodispersions of tenofovir disoproxil fumarate in oils as candidate long-acting injectable depot formulations. <i>Nanoscale Advances</i> , 2019, 1, 4301-4307.	4.6	5
29	Towards a Maraviroc long-acting injectable nanoformulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 138, 92-98.	4.3	20
30	Co-initiated hyperbranched-polydendron building blocks for the direct nanoprecipitation of dendron-directed patchy particles with heterogeneous surface functionality. <i>Polymer Chemistry</i> , 2018, 9, 1767-1771.	3.9	10
31	Branched copolymer-stabilised nanoemulsions as new candidate oral drug delivery systems. <i>RSC Advances</i> , 2018, 8, 12984-12991.	3.6	32
32	Long-acting injectable atovaquone nanomedicines for malaria prophylaxis. <i>Nature Communications</i> , 2018, 9, 315.	12.8	68
33	Modulated release from implantable ocular silicone oil tamponade drug reservoirs. <i>Journal of Polymer Science Part A</i> , 2018, 56, 938-946.	2.3	8
34	In Silico Dose Prediction for Long-Acting Rilpivirine and Cabotegravir Administration to Children and Adolescents. <i>Clinical Pharmacokinetics</i> , 2018, 57, 255-266.	3.5	26
35	The potential value of nanomedicine and novel oral dosage forms in the treatment of HIV. <i>Nanomedicine</i> , 2018, 13, 1963-1965.	3.3	2
36	Inhibitory Effects of Commonly Used Excipients on P-Glycoprotein in Vitro. <i>Molecular Pharmaceutics</i> , 2018, 15, 4835-4842.	4.6	42

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37	Recommendations for clinical translation of nanoparticle-enhanced radiotherapy. British Journal of Radiology, 2018, 91, 20180325.	2.2	12
38	The emerging role of physiologically based pharmacokinetic modelling in solid drug nanoparticle translation. Advanced Drug Delivery Reviews, 2018, 131, 116-121.	13.7	7
39	Assessment of interactions of efavirenz solid drug nanoparticles with human immunological and haematological systems. Journal of Nanobiotechnology, 2018, 16, 22.	9.1	18
40	Model studies of the sequential and simultaneous statistical modification of dendritic functional groups and their implications within complex polymer architecture synthesis. Polymer Chemistry, 2017, 8, 1644-1653.	3.9	5
41	MADIX polymerization of vinyl acetate using ethyl acetate as a green solvent; near-complete monomer conversion with molecular weight control. Journal of Polymer Science Part A, 2017, 55, 2427-2431.	2.3	10
42	<i>In situ</i> xanthate deprotection to generate thiol chain transfer agents for conventional free radical linear and branched vinyl polymerization. Journal of Polymer Science Part A, 2017, 55, 3963-3967.	2.3	6
43	Lack of interaction of lopinavir solid drug nanoparticles with cells of the immune system. Nanomedicine, 2017, 12, 2043-2054.	3.3	5
44	Simulating Intestinal Transporter and Enzyme Activity in a Physiologically Based Pharmacokinetic Model for Tenofovir Disoproxil Fumarate. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	7
45	Intracellular delivery of nano-formulated antituberculosis drugs enhances bactericidal activity. Journal of Interdisciplinary Nanomedicine, 2017, 2, 146-156.	3.6	12
46	In vitro characterisation of solid drug nanoparticle compositions of efavirenz in a brain endothelium cell line. Journal of Interdisciplinary Nanomedicine, 2017, 2, 157-169.	3.6	0
47	Interdisciplinary nanomedicine publications through interdisciplinary peer-review. Journal of Interdisciplinary Nanomedicine, 2016, 1, 4-8.	3.6	1
48	Controlling drug release from non-aqueous environments: Moderating delivery from ocular silicone oil drug reservoirs to combat proliferative vitreoretinopathy. Journal of Controlled Release, 2016, 244, 41-51.	9.9	14
49	Towards a rational design of solid drug nanoparticles with optimised pharmacological properties. Journal of Interdisciplinary Nanomedicine, 2016, 1, 110-123.	3.6	17
50	Accelerated oral nanomedicine discovery from miniaturized screening to clinical production exemplified by paediatric HIV nanotherapies. Nature Communications, 2016, 7, 13184.	12.8	44
51	Role of highly branched, high molecular weight polymer structures in directing uniform polymer particle formation during nanoprecipitation. Chemical Communications, 2016, 52, 3915-3918.	4.1	8
52	Strengths, weaknesses, opportunities and challenges for long acting injectable therapies: Insights for applications in HIV therapy. Advanced Drug Delivery Reviews, 2016, 103, 144-156.	13.7	113
53	Stable, polymer-directed and SPION-nucleated magnetic amphiphilic block copolymer nanoprecipitates with readily reversible assembly in magnetic fields. Nanoscale, 2016, 8, 7224-7231.	5.6	9
54	Emerging nanomedicine applications and manufacturing: progress and challenges. Nanomedicine, 2016, 11, 577-580.	3.3	3

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55	Synthesis and in vivo magnetic resonance imaging evaluation of biocompatible branched copolymer nanocontrast agents. International Journal of Nanomedicine, 2015, 10, 5895.	6.7	9
56	One-pot sequential deprotection/functionalisation of linear-dendritic hybrid polymers using a xanthate mediated thiol/Michael addition. Polymer Chemistry, 2015, 6, 573-582.	3.9	16
57	The Application of Nanotechnology to Drug Delivery in Medicine. , 2015, , 173-223.		12
58	Multiple and Co-Nanoprecipitation Studies of Branched Hydrophobic Copolymers and A B Amphiphilic Block Copolymers, Allowing Rapid Formation of Sterically Stabilized Nanoparticles in Aqueous Media. Macromolecules, 2015, 48, 1883-1893.	4.8	8
59	Exploring the homogeneous controlled radical polymerisation of hydrophobic monomers in anti-solvents for their polymers: RAFT and ATRP of various alkyl methacrylates in anhydrous methanol to high conversion and low dispersity. Polymer Chemistry, 2015, 6, 7286-7296.	3.9	5
60	Hyperbranched polydendrons: a new nanomaterials platform with tuneable permeation through model gut epithelium. Chemical Science, 2015, 6, 326-334.	7.4	31
61	Synthesis, nanoprecipitation and pH sensitivity of amphiphilic linear dendritic hybrid polymers and hyperbranched-polydendrons containing tertiary amine functional dendrons. Soft Matter, 2015, 11, 7005-7015.	2.7	15
62	Considerations for clinically-relevant nanomedicine therapies for chronic diseases. Nanomedicine, 2015, 10, 3103-3107.	3.3	4
63	Nanoformulation strategies for the enhanced oral bioavailability of antiretroviral therapeutics. Therapeutic Delivery, 2015, 6, 469-490.	2.2	31
64	Augmented Inhibition of CYP3A4 in Human Primary Hepatocytes by Ritonavir Solid Drug Nanoparticles. Molecular Pharmaceutics, 2015, 12, 3556-3568.	4.6	15
65	Physiologically Based Pharmacokinetic Modelling to Inform Development of Intramuscular Long-Acting Nanoformulations for HIV. Clinical Pharmacokinetics, 2015, 54, 639-650.	3.5	79
66	Flow cytometric analysis of the physical and protein-binding characteristics of solid drug nanoparticle suspensions. Nanomedicine, 2015, 10, 1407-1421.	3.3	9
67	Antiretroviral Solid Drug Nanoparticles with Enhanced Oral Bioavailability: Production, Characterization, and In Vitro In Vivo Correlation. Advanced Healthcare Materials, 2014, 3, 400-411.	7.6	73
68	Is methanol really a bad solvent for poly(n-butyl methacrylate)? Low dispersity and high molecular weight polymers of n-butyl methacrylate synthesised via ATRP in anhydrous methanol. Polymer Chemistry, 2014, 5, 3608-3616.	3.9	12
69	Hyperbranched polydendrons: a new controlled macromolecular architecture with self-assembly in water and organic solvents. Chemical Science, 2014, 5, 1844-1853.	7.4	42
70	The first peripherally masked thiol dendrimers: a facile and highly efficient functionalization strategy of polyester dendrimers via one-pot xanthate deprotection/thiol acrylate Michael addition reactions. Chemical Communications, 2014, 50, 6574-6577.	4.1	17
71	Partial mitigation of gold nanoparticle interactions with human lymphocytes by surface functionalization with a mixed matrix. Nanomedicine, 2014, 9, 2467-2479.	3.3	16
72	Use of a physiologically-based pharmacokinetic model to simulate artemether dose adjustment for overcoming the drug-drug interaction with efavirenz. In Silico Pharmacology, 2013, 1, 4.	3.3	26

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73	High-throughput nanoprecipitation of the organic antimicrobial triclosan and enhancement of activity against Escherichia coli. Journal of Materials Chemistry B, 2013, 1, 4455.	5.8	15
74	Reactions of hydrophobic organic nanoparticle mixtures in water: nanoparticle-on-nanoparticle oxidative dye bleaching. Green Chemistry, 2013, 15, 1590.	9.0	3
75	Mediation of in Vitro Cytochrome P450 Activity by Common Pharmaceutical Excipients. Molecular Pharmaceutics, 2013, 10, 2739-2748.	4.6	36
76	Research Spotlight: Nanomedicines for HIV therapy. Therapeutic Delivery, 2013, 4, 153-156.	2.2	23
77	Synthesis and thermal studies of aliphatic polyurethane dendrimers: a geometric approach to the Flory-Fox equation for dendrimer glass transition temperature. Soft Matter, 2012, 8, 1096-1108.	2.7	23
78	Architecture-driven aqueous stability of hydrophobic, branched polymer nanoparticles prepared by rapid nanoprecipitation. Soft Matter, 2012, 8, 9816.	2.7	28
79	Facile synthesis of complex multi-component organic and organo-magnetic inorganic nanocomposite particles. Journal of Materials Chemistry, 2012, 22, 24744.	6.7	20
80	One-pot, single-component synthesis of functional emulsion-templated hybrid inorganic-organic polymer capsules. Chemical Communications, 2012, 48, 1592-1594.	4.1	16
81	Controlled synthesis of radiolabelled amine methacrylate water-soluble polymers with end-groups of varying hydrophobicity and studies of adsorption behaviour. Polymer Chemistry, 2012, 3, 154-161.	3.9	8
82	Multicomponent Organic Nanoparticles for Fluorescence Studies in Biological Systems. Advanced Functional Materials, 2012, 22, 2469-2478.	14.9	56
83	Monitoring Atom Transfer Radical Polymerisation using <sup>14</sup> C-radiolabelled initiators. Polymer Chemistry, 2011, 2, 581-588.	3.9	7
84	The Application of Nanodispersions to Agriculture. Outlooks on Pest Management, 2010, 21, 190-192.	0.2	6
85	Polymer-Mediated Hierarchical and Reversible Emulsion Droplet Assembly. Angewandte Chemie - International Edition, 2009, 48, 2131-2134.	13.8	67
86	Nanomedicine: Not a case of "One size fits all". Nano Today, 2009, 4, 382-384.	11.9	18
87	Polymer Nanoparticles: Shape-Directed Monomer-to-Particle Synthesis. Journal of the American Chemical Society, 2009, 131, 1495-1501.	13.7	54
88	Utilising <sup>14</sup> C-radiolabelled atom transfer radical polymerisation initiators. Chemical Communications, 2009, , 6406.	4.1	7
89	Systematic tuning of pore morphologies and pore volumes in macroporous materials by freezing. Journal of Materials Chemistry, 2009, 19, 5212.	6.7	65
90	Synthesis and characterisation of polyamide dendrimers with systematically varying surface functionality. Chemical Communications, 2009, , 3095.	4.1	12

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91	Controlling responsive emulsion properties via polymer design. Chemical Communications, 2009, , 3554.	4.1	33
92	Formation and enhanced biocidal activity of water-dispersable organic nanoparticles. Nature Nanotechnology, 2008, 3, 506-511.	31.5	135
93	pH-Responsive branched polymer nanoparticles. Soft Matter, 2008, 4, 985.	2.7	71
94	Synthesis of well-defined Locust Bean Gum-graft-copolymers using ambient aqueous atom transfer radical polymerisation. Chemical Communications, 2007, , 362-364.	4.1	15
95	Investigation of the Experimental Factors Affecting the Trithiocarbonate-Mediated RAFT Polymerization of Methyl Acrylate. Australian Journal of Chemistry, 2007, 60, 772.	0.9	25
96	Structure-â€œLCST relationships for end-functionalized water-soluble polymers: an â€œacceleratedâ€ approach to phase behaviour studies. Chemical Communications, 2007, , 2962-2964.	4.1	40
97	One-pot synthesis of methacrylic acid-â€œethylene oxide branched block and graft copolymers. Journal of Materials Chemistry, 2007, 17, 545-552.	6.7	28
98	Direct Synthesis of Anisotropic Polymer Nanoparticles. Angewandte Chemie - International Edition, 2007, 46, 9243-9247.	13.8	49
99	Development of Branching in Living Radical Copolymerization of Vinyl and Divinyl Monomers. Macromolecules, 2006, 39, 7483-7492.	4.8	186
100	Synthesis and characterisation of new shell cross-linked micelles with amine-functional coronas. European Polymer Journal, 2006, 42, 1487-1498.	5.4	35
101	Selective One-Pot Synthesis of Trithiocarbonates, Xanthates, and Dithiocarbamates for Use in RAFT/MADIX Living Radical Polymerizations. Organic Letters, 2006, 8, 553-556.	4.6	106
102	Size-Controlled Synthesis of Near-Monodisperse Gold Nanoparticles in the 1-4 nm Range Using Polymeric Stabilizers. Journal of the American Chemical Society, 2005, 127, 16398-16399.	13.7	331
103	Aligned two- and three-dimensional structures by directional freezing of polymers and nanoparticles. Nature Materials, 2005, 4, 787-793.	27.5	721
104	Synthesis and Characterization of Shell Cross-Linked Micelles with Hydroxy-Functional Coronas: A Pragmatic Alternative to Dendrimers?. Langmuir, 2005, 21, 3808-3813.	3.5	57
105	Preparation of Shell Cross-Linked Micelles by Polyelectrolyte Complexation. Angewandte Chemie - International Edition, 2004, 43, 1389-1392.	13.8	116
106	Synthesis of Water Soluble Hyperbranched Polyurethanes Using Selective Activation of AB <sub>2</sub> Monomers. Macromolecules, 2004, 37, 9418-9430.	4.8	53
107	Selective Convergent Synthesis of Aliphatic Polyurethane Dendrimers. Macromolecules, 2003, 36, 9704-9706.	4.8	44
108	The synthesis and characterisation of poly( 14-cyclopentenylene-5,6-ethylidene-2,3-disodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	3.3	6

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109	Room Temperature Waterborne ATRP of n-Butyl Methacrylate in Homogeneous Alcoholic Media. <i>Macromolecules</i> , 2001, 34, 8600-8602.	4.8	43
110	Synthesis of dendritic polyamides using novel selective chemistry. <i>Polymer International</i> , 2000, 49, 1002-1006.	3.1	20
111	The Selective Reaction of Primary Amines with Carbonyl Imidazole Containing Compounds: A Selective Amide and Carbamate Synthesis. <i>Organic Letters</i> , 2000, 2, 2117-2120.	4.6	96
112	A Highly Selective, One-Pot Multiple-Addition Convergent Synthesis of Polycarbonate Dendrimers. <i>Journal of the American Chemical Society</i> , 2000, 122, 11729-11730.	13.7	64
113	Controlled Synthesis of Asymmetric Dialkyl and Cyclic Carbonates Using the Highly Selective Reactions of Imidazole Carboxylic Esters. <i>Organic Letters</i> , 1999, 1, 933-936.	4.6	84
114	Degradation of C60 by light. <i>Nature</i> , 1991, 351, 277-277.	27.8	152
115	Accessing new and scalable high molecular weight branched copolymer structures using transfer-dominated branching radical telomerisation (TBRT). <i>Polymer Chemistry</i> , 0, , .	3.9	5