Simon J Holder

List of Publications by Year in descending order

87 papers	2,525 citations	201385 27 h-index	214527 47 g-index
90 all docs	90 docs citations	90 times ranked	2964 citing authors

#	Article	IF	Citations
1	New micellar morphologies from amphiphilic block copolymers: disks, toroids and bicontinuous micelles. Polymer Chemistry, 2011, 2, 1018-1028.	1.9	269
2	Mechanochromic systems for the detection of stress, strain and deformation in polymeric materials. Journal of Materials Chemistry, 2011, 21, 8256.	6.7	177
3	Self-Assembled Structures from an Amphiphilic Multiblock Copolymer Containing Rigid Semiconductor Segments. Macromolecules, 2000, 33, 8289-8294.	2.2	122
4	Cryo Electron Tomography Reveals Confined Complex Morphologies of Tripeptideâ€Containing Amphiphilic Doubleâ€Comb Diblock Copolymers. Angewandte Chemie - International Edition, 2008, 47, 8859-8862.	7.2	99
5	Temperature-Responsive Nanospheres with Bicontinuous Internal Structures from a Semicrystalline Amphiphilic Block Copolymer. Journal of the American Chemical Society, 2010, 132, 10256-10259.	6.6	91
6	Swelling of PDMS networks in solvent vapours; applications for passive RFID wireless sensors. Journal of Materials Chemistry C, 2015, 3, 10091-10098.	2.7	86
7	The first example of a poly(ethylene oxide)â€“poly(methylphenylsilane) amphiphilic block copolymer: vesicle formation in water. Chemical Communications, 1998, , 1445-1446.	2.2	64
8	High-yield controlled syntheses of polysilanes by the Wurtz-type reductive coupling reaction. Polymer International, 2006, 55, 711-718.	1.6	62
9	Optimization of the synthesis of poly(octadecyl acrylate) by atom transfer radical polymerization and the preparation of all comblike amphiphilic diblock copolymers. Journal of Polymer Science Part A, 2005, 43, 1129-1143.	2.5	61
10	Synthesis of Star Polymers of Styrene and Alkyl (Meth)acrylates from a Porphyrin Initiator Core via ATRP. Macromolecules, 2007, 40, 7157-7165.	2.2	56
11	Controlling Internal Pore Sizes in Bicontinuous Polymeric Nanospheres. Angewandte Chemie - International Edition, 2015, 54, 2457-2461.	7.2	56
12	Shaping Amorphous Calcium Carbonate Films into 2D Model Substrates for Bone Cell Culture. Angewandte Chemie - International Edition, 2006, 45, 1762-1767.	7.2	54
13	Synthesis of poly[dimethylsiloxane-block-oligo(ethylene glycol) methyl ether methacrylate]: an amphiphilic copolymer with a comb-like block. Polymer, 2004, 45, 6111-6121.	1.8	51
14	Epidermal Passive RFID Strain Sensor for Assisted Technologies. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 814-817.	2.4	50
15	Induction of Preferential Helical Screw Senses in Optically Inactive Polysilanes via Chiral Solvation. Macromolecular Rapid Communications, 2002, 23, 99-103.	2.0	41
16	Synthesis and characterisation of pyrene-labelled polydimethylsiloxane networks: towards the in situ detection of strain in silicone elastomers. Journal of Materials Chemistry, 2009, 19, 7674.	6.7	41
17	The synthesis and selfâ€assembly of ABA amphiphilic block copolymers containing styrene and oligo(ethylene glycol) methyl ether methacrylate in dilute aqueous solutions: Elevated cloud point temperatures for thermoresponsive micelles. Journal of Polymer Science Part A, 2008, 46, 7739-7756.	2.5	40
18	The detection of phenols in water using a surface plasmon resonance system with specific receptors. Sensors and Actuators B: Chemical, 1998, 51, 305-310.	4.0	38

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19	Bicontinuous Nanospheres from Simple Amorphous Amphiphilic Diblock Copolymers. Macromolecules, 2013, 46, 9845-9848.	2.2	36
20	Correlation of Structure and Molecular Weight Distributions during the Formation of Poly(methylphenylsilylene) by the Wurtz Reductive-Coupling Reaction. Organometallics, 1998, 17, 59-64.	1.1	35
21	ABA triblock copolymers: from controlled synthesis to controlled function. Journal of Materials Chemistry, 2003, 13, 2771-2778.	6.7	35
22	The Patterning and Alignment of Muscle Cells Using the Selective Adhesion of Poly(oligoethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2324-2329.	11.1	35
23	Assessing internal structure of polymer assemblies from 2D to 3D CryoTEM: Bicontinuous micelles. Current Opinion in Colloid and Interface Science, 2012, 17, 343-349.	3.4	35
24	Lamellar Organic Thin Films through Self-Assembly and Molecular Recognition. Journal of Organic Chemistry, 2001, 66, 391-399.	1.7	34
25	Plastic- and liquid-crystalline architectures from dendritic receptor molecules. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5093-5098.	3.3	31
26	Increasing Molecular Weight Parameters of a Helical Polymer through Polymerization in a Chiral Solvent. Journal of the American Chemical Society, 2006, 128, 12418-12419.	6.6	29
27	Semi-crystalline block copolymer bicontinuous nanospheres for thermoresponsive controlled release. RSC Advances, 2014, 4, 26354-26358.	1.7	29
28	Swell and Destroy: A Metalâ€“Organic Framework-Containing Polymer Sponge That Immobilizes and Catalytically Degrades Nerve Agents. ACS Applied Materials & Interfaces, 2020, 12, 8634-8641.	4.0	29
29	Application of novel pressure-sensitive paint formulations for the surface flow mapping of high-speed jets. Experimental Thermal and Fluid Science, 2009, 33, 852-864.	1.5	28
30	Reappraisal of the Origins of the Polymodal Molecular Mass Distributions in the Formation of Poly(methylphenylsilylene) by the Wurtz Reductive-Coupling Reaction. Macromolecules, 1996, 29, 8036-8046.	2.2	27
31	Room-Temperature, High-Yield Route to Poly(n-alkylmethylsilane)s and Poly(di-n-hexylsilane). Macromolecules, 2005, 38, 1633-1639.	2.2	26
32	A Passive UHF RFID Dielectric Sensor for Aqueous Electrolytes. IEEE Sensors Journal, 2019, 19, 5389-5395.	2.4	26
33	Passive Wireless UHF RFID Antenna Label for Sensing Dielectric Properties of Aqueous and Organic Liquids. IEEE Sensors Journal, 2019, 19, 4299-4307.	2.4	26
34	A reappraisal of the stereochemistry of polysilylenes formed by the Wurtz reductive-coupling reaction. Journal of Organometallic Chemistry, 1996, 521, 171-176.	0.8	25
35	Switchable disposable passive RFID vapour sensors from inkjet printed electronic components integrated with PDMS as a stimulus responsive material. Journal of Materials Chemistry C, 2017, 5, 3167-3175.	2.7	25
36	Microwave-assisted activation and modulator removal in zirconium MOFs for buffer-free CWA hydrolysis. Dalton Transactions, 2017, 46, 15704-15709.	1.6	24

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37	Towards the Prediction of Global Solution State Properties for Hydrogen Bonded, Selfâ€Associating Amphiphiles. Chemistry - A European Journal, 2018, 24, 7761-7773.	1.7	24
38	The role of oligomers in the synthesis of polysilanes by the Wurtz reductive coupling reaction. Journal of Organometallic Chemistry, 2003, 685, 60-64.	0.8	22
39	Octadecyl acrylate based block and random copolymers prepared by ATRP as comb-like stabilizers for colloidal micro-particle one-step synthesis in organic solvents. Polymer, 2006, 47, 5701-5706.	1.8	22
40	Silane-based hybrids for biomedical applications. Journal of Adhesion Science and Technology, 2002, 16, 143-155.	1.4	21
41	Effect of capping groups at the N- and C-termini on the conformational preference of Î±,Î²-peptoids. Organic and Biomolecular Chemistry, 2012, 10, 1108-1122.	1.5	21
42	A convenient route to poly(methylphenylsilane)-graft-polystyrene copolymers. Macromolecular Chemistry and Physics, 1997, 198, 3571-3579.	1.1	20
43	Synthesis and structural characterisation of various organosilaneâ€“organogermane and organosilaneâ€“organostannane statistical copolymers by the Wurtz reductive coupling polymerisation: 119Sn NMR and EXAFS characterisation of the stannane copolymers. Reactive and Functional Polymers, 2006, 66, 123-135.	2.0	20
44	Addition polymerization of 1,1-dimesitylneopentylgermene: synthesis of a polygermene. Chemical Communications, 2008, , 2346.	2.2	20
45	Wurtz synthesis of a high-molecular-weight organostannaneâ€”organosilane copolymer. Polymer, 1996, 37, 3477-3479.	1.8	19
46	Octadecyl acrylate â€“ Methyl methacrylate block and gradient copolymers from ATRP: Comb-like stabilizers for the preparation of micro- and nano-particles of poly(methyl methacrylate) and poly(acrylonitrile) by non-aqueous dispersion polymerization. Polymer, 2010, 51, 1904-1913.	1.8	19
47	The evolution of bicontinuous polymeric nanospheres in aqueous solution. Soft Matter, 2016, 12, 4113-4122.	1.2	19
48	Selective complexation of divalent cations by a cyclic Î±,Î²-peptoid hexamer: a spectroscopic and computational study. Organic and Biomolecular Chemistry, 2016, 14, 11371-11380.	1.5	19
49	Poly High Internal Phase Emulsion for the Immobilization of Chemical Warfare Agents. ACS Applied Materials & Interfaces, 2017, 9, 31335-31339.	4.0	19
50	Surface-Induced Selective Delamination of Amphiphilic ABA Block Copolymer Thin Films. Macromolecules, 2004, 37, 3431-3437.	2.2	17
51	Molecular engineering of pyroelectric polysiloxane Langmuir-Blodgett superlattices: synthesis, film preparation and pyroelectric properties. Supramolecular Science, 1994, 1, 39-53.	0.7	16
52	A Model for Defectâ€’Diffusion-Controlled Polymerization at a Surface as Typified by the Alkali-Metal Mediated Synthesis of Polysilanes. Macromolecules, 2002, 35, 548-554.	2.2	16
53	Synthesis and characterization of poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (methacrylate)-block-poly(methyl radical polymerization. Journal of Polymer Science Part A, 2003, 41, 30-40.	2.5	16
54	Synthesis and characterization of poly(methylphenylsilylene)-poly(ethylene oxide) and poly(methylphenylsilylene)-polyisoprene multiblock copolymers. Polymer International, 2001, 50, 1016-1028.	1.6	14

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55	Controlling Internal Pore Sizes in Bicontinuous Polymeric Nanospheres. Angewandte Chemie, 2015, 127, 2487-2491.	1.6	13
56	The polymerisation of oligo(ethylene glycol methyl ether) methacrylate from a multifunctional poly(ethylene imine) derived amide: a stabiliser for the synthesis and dispersion of magnetite nanoparticles. Polymer Chemistry, 2014, 5, 524-534.	1.9	12
57	Optical response to stress in pyrene labelled polydimethylsiloxane elastomers: Monitoring strain in 1D and 2D. Sensors and Actuators B: Chemical, 2012, 162, 43-56.	4.0	11
58	The synthesis of organometallic rodâ€“coil block copolymers from polysilanes. Polymer International, 2009, 58, 323-329.	1.6	10
59	Synthesis of Polysilanes by the Wurtz Reductive-Coupling Reaction. , 2000, , 353-373.		10
60	Hostâ€“guest complexes with tuneable solid state structures. Chemical Communications, 2000, , 355-356.	2.2	9
61	Controlling the melting transition of semi-crystalline self-assembled block copolymer aggregates: controlling release rates of ibuprofen. Polymer Chemistry, 2017, 8, 5303-5316.	1.9	9
62	The synthesis and evaluation of novel polysiloxane Langmuir-Blodgett films. Thin Solid Films, 1992, 210-211, 299-302.	0.8	8
63	High pyroelectric sensitivity in alternate layer Langmuir-Blodgett superlattices. Materials Science and Engineering C, 1995, 3, 197-203.	3.8	8
64	Optical transduction of chemical sensing by thin films of colour reagents and molecular receptors using piezo-optical and surface plasmon resonance methods. Journal of Materials Chemistry, 2000, 10, 175-182.	6.7	8
65	Headgroup effects on the krafft temperatures and self-assembly of ï‰-hydroxy and ï‰-carboxy hexadecyl quaternary ammonium bromide bolaform amphiphiles: Micelles versus molecular clusters?. Journal of Colloid and Interface Science, 2012, 367, 293-304.	5.0	8
66	Tricarbonylchromium promoted tacticity variations in theWurtz synthesis of poly(methylphenylsilane). Polymer International, 1999, 48, 157-158.	1.6	7
67	Direct Evidence for the Interaction of the Mechanisms of Thermally Initiated and Atom Transfer Radical Polymerization. Macromolecules, 2000, 33, 9166-9168.	2.2	7
68	Inhibiting the Thermal Gelation of Copolymer Stabilized Nonaqueous Dispersions and the Synthesis of Full Color PMMA Particles. Langmuir, 2016, 32, 2556-2566.	1.6	7
69	A simple strategy to overcome concentration dependence of photoswitching properties in donorâ€“acceptor Stenhouse adducts. Physical Chemistry Chemical Physics, 2021, 23, 2775-2779.	1.3	7
70	Langmuir-Blodgett films of linear polysiloxanes incorporating aromatic side-chains: structure-property relationships. Thin Solid Films, 1994, 242, 61-66.	0.8	6
71	Evaluation of halomethylated poly(methylphenylsilane)s as electron-beam resists. Journal of Materials Chemistry, 1997, 7, 1701-1707.	6.7	6
72	An oligosilane initiator for the Wurtz-type polymerisation of dichloromethylphenylsilane. Journal of Organometallic Chemistry, 2008, 693, 1938-1944.	0.8	6

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73	Adjustable Passive RFID Skin Mounted Sticker. , 2019, , .		4
74	Optimisation of the pyroelectric figure of merit of porysiloxane/amine superlattices. Thin Solid Films, 1996, 284-285, 915-918.	0.8	3
75	Grafting on polysilanes using atom transfer radical polymerisation. Polymer International, 2002, 51, 1107-1110.	1.6	3
76	Passive UHF RFID Voice Prosthesis Mounted Sensor for Microbial Growth Detection. IEEE Journal of Radio Frequency Identification, 2020, 4, 384-390.	1.5	3
77	The Synthesis, Self-Assembly and Self-Organisation of Polysilane Block Copolymers. , 2008, , 249-277.		3
78	Synthesis of poly(styrene-block -methylphenylsilane-block -styrene) via TEMPO-mediated controlled free radical polymerisation. Polymer International, 2004, 53, 465-471.	1.6	2
79	Skin-mounted RFID sensing tattoos for assistive technologies. , 2014, , .		2
80	Synthesis and characterization of wellâ€defined optically active methacrylic diblock copolymers. Journal of Polymer Science Part A, 2012, 50, 4215-4222.	2.5	1
81	Voice Prosthesis Implantable UHF RFID Self-Sensing Tag for Microbial Growth Detection. , 2019, , .		1
82	Antenna-Based Popup Vapor Sensor Guided by Controlled Compressive Buckling. IEEE Sensors Journal, 2020, 20, 2304-2312.	2.4	1
83	Induction of Preferential Helical Screw Senses in Optically Inactive Polysilanes via Chiral Solvation. , 2002, 23, 99.		1
84	Chemical Modifications of Halomethylated Poly(Methylphenylsilane): A New and Facile Route to Functionalized Polysilanes. , 1996, , 161-175.		1
85	Special Issue to mark the retirement of Professor R. G. â€œDickâ€Jones from the University of Kent at Canterbury. Polymer International, 2009, 58, 237-238.	1.6	0
86	Accurate RFID strain gauges for skin mounting. , 2014, , .		0
87	Conformal RFID sensing for assisted living. , 2014, , .		0