

Simon J Holder

List of Publications by Year in descending order

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87
papers

2,525
citations

201385

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times ranked

2964
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple strategy to overcome concentration dependence of photoswitching properties in donor-acceptor Stenhouse adducts. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2775-2779.	1.3	7
2	Antenna-Based Pop-up Vapor Sensor Guided by Controlled Compressive Buckling. <i>IEEE Sensors Journal</i> , 2020, 20, 2304-2312.	2.4	1
3	Passive UHF RFID Voice Prosthesis Mounted Sensor for Microbial Growth Detection. <i>IEEE Journal of Radio Frequency Identification</i> , 2020, 4, 384-390.	1.5	3
4	Swell and Destroy: A Metal-Organic Framework-Containing Polymer Sponge That Immobilizes and Catalytically Degrades Nerve Agents. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8634-8641.	4.0	29
5	Adjustable Passive RFID Skin Mounted Sticker. , 2019, , .		4
6	A Passive UHF RFID Dielectric Sensor for Aqueous Electrolytes. <i>IEEE Sensors Journal</i> , 2019, 19, 5389-5395.	2.4	26
7	Passive Wireless UHF RFID Antenna Label for Sensing Dielectric Properties of Aqueous and Organic Liquids. <i>IEEE Sensors Journal</i> , 2019, 19, 4299-4307.	2.4	26
8	Voice Prosthesis Implantable UHF RFID Self-Sensing Tag for Microbial Growth Detection. , 2019, , .		1
9	Towards the Prediction of Global Solution State Properties for Hydrogen Bonded, Self-Associating Amphiphiles. <i>Chemistry - A European Journal</i> , 2018, 24, 7761-7773.	1.7	24
10	Switchable disposable passive RFID vapour sensors from inkjet printed electronic components integrated with PDMS as a stimulus responsive material. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3167-3175.	2.7	25
11	Microwave-assisted activation and modulator removal in zirconium MOFs for buffer-free CWA hydrolysis. <i>Dalton Transactions</i> , 2017, 46, 15704-15709.	1.6	24
12	Poly High Internal Phase Emulsion for the Immobilization of Chemical Warfare Agents. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31335-31339.	4.0	19
13	Controlling the melting transition of semi-crystalline self-assembled block copolymer aggregates: controlling release rates of ibuprofen. <i>Polymer Chemistry</i> , 2017, 8, 5303-5316.	1.9	9
14	The evolution of bicontinuous polymeric nanospheres in aqueous solution. <i>Soft Matter</i> , 2016, 12, 4113-4122.	1.2	19
15	Selective complexation of divalent cations by a cyclic β -peptoid hexamer: a spectroscopic and computational study. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11371-11380.	1.5	19
16	Inhibiting the Thermal Gelation of Copolymer Stabilized Nonaqueous Dispersions and the Synthesis of Full Color PMMA Particles. <i>Langmuir</i> , 2016, 32, 2556-2566.	1.6	7
17	Swelling of PDMS networks in solvent vapours; applications for passive RFID wireless sensors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10091-10098.	2.7	86
18	Controlling Internal Pore Sizes in Bicontinuous Polymeric Nanospheres. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2457-2461.	7.2	56

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19	Controlling Internal Pore Sizes in Bicontinuous Polymeric Nanospheres. <i>Angewandte Chemie</i> , 2015, 127, 2487-2491.	1.6	13
20	Skin-mounted RFID sensing tattoos for assistive technologies. , 2014, , .		2
21	Accurate RFID strain gauges for skin mounting. , 2014, , .		0
22	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. <i>Polymer Chemistry</i> , 2014, 5, 524-534.	1.9	12
23	Conformal RFID sensing for assisted living. , 2014, , .		0
24	Semi-crystalline block copolymer bicontinuous nanospheres for thermoresponsive controlled release. <i>RSC Advances</i> , 2014, 4, 26354-26358.	1.7	29
25	Epidermal Passive RFID Strain Sensor for Assisted Technologies. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014, 13, 814-817.	2.4	50
26	Bicontinuous Nanospheres from Simple Amorphous Amphiphilic Diblock Copolymers. <i>Macromolecules</i> , 2013, 46, 9845-9848.	2.2	36
27	Assessing internal structure of polymer assemblies from 2D to 3D CryoTEM: Bicontinuous micelles. <i>Current Opinion in Colloid and Interface Science</i> , 2012, 17, 343-349.	3.4	35
28	Effect of capping groups at the N- and C-termini on the conformational preference of β -peptoids. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1108-1122.	1.5	21
29	Synthesis and characterization of well-defined optically active methacrylic diblock copolymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4215-4222.	2.5	1
30	Headgroup effects on the krafft temperatures and self-assembly of β -hydroxy and β -carboxy hexadecyl quaternary ammonium bromide bolaform amphiphiles: Micelles versus molecular clusters?. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 293-304.	5.0	8
31	Optical response to stress in pyrene labelled polydimethylsiloxane elastomers: Monitoring strain in 1D and 2D. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 43-56.	4.0	11
32	Mechanochromic systems for the detection of stress, strain and deformation in polymeric materials. <i>Journal of Materials Chemistry</i> , 2011, 21, 8256.	6.7	177
33	New micellar morphologies from amphiphilic block copolymers: disks, toroids and bicontinuous micelles. <i>Polymer Chemistry</i> , 2011, 2, 1018-1028.	1.9	269
34	Octadecyl acrylate α -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. <i>Polymer</i> , 2010, 51, 1904-1913.	1.8	19
35	Temperature-Responsive Nanospheres with Bicontinuous Internal Structures from a Semicrystalline Amphiphilic Block Copolymer. <i>Journal of the American Chemical Society</i> , 2010, 132, 10256-10259.	6.6	91
36	The synthesis of organometallic rod-coil block copolymers from polysilanes. <i>Polymer International</i> , 2009, 58, 323-329.	1.6	10

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37	Special Issue to mark the retirement of Professor R. G. "Dick" Jones from the University of Kent at Canterbury. <i>Polymer International</i> , 2009, 58, 237-238.	1.6	0
38	Application of novel pressure-sensitive paint formulations for the surface flow mapping of high-speed jets. <i>Experimental Thermal and Fluid Science</i> , 2009, 33, 852-864.	1.5	28
39	Synthesis and characterisation of pyrene-labelled polydimethylsiloxane networks: towards the in situ detection of strain in silicone elastomers. <i>Journal of Materials Chemistry</i> , 2009, 19, 7674.	6.7	41
40	The synthesis and self-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. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7739-7756.	2.5	40
41	Cryo Electron Tomography Reveals Confined Complex Morphologies of Tripeptide-Containing Amphiphilic Double-Comb Diblock Copolymers. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8859-8862.	7.2	99
42	An oligosilane initiator for the Wurtz-type polymerisation of dichloromethylphenylsilane. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1938-1944.	0.8	6
43	Addition polymerization of 1,1-dimesitylneopentylgermene: synthesis of a polygermene. <i>Chemical Communications</i> , 2008, , 2346.	2.2	20
44	The Synthesis, Self-Assembly and Self-Organisation of Polysilane Block Copolymers. , 2008, , 249-277.		3
45	Synthesis of Star Polymers of Styrene and Alkyl (Meth)acrylates from a Porphyrin Initiator Core via ATRP. <i>Macromolecules</i> , 2007, 40, 7157-7165.	2.2	56
46	Increasing Molecular Weight Parameters of a Helical Polymer through Polymerization in a Chiral Solvent. <i>Journal of the American Chemical Society</i> , 2006, 128, 12418-12419.	6.6	29
47	High-yield controlled syntheses of polysilanes by the Wurtz-type reductive coupling reaction. <i>Polymer International</i> , 2006, 55, 711-718.	1.6	62
48	Octadecyl acrylate based block and random copolymers prepared by ATRP as comb-like stabilizers for colloidal micro-particle one-step synthesis in organic solvents. <i>Polymer</i> , 2006, 47, 5701-5706.	1.8	22
49	Synthesis and structural characterisation of various organosilane-organogermane and organosilane-organostannane statistical copolymers by the Wurtz reductive coupling polymerisation: ¹¹⁹ Sn NMR and EXAFS characterisation of the stannane copolymers. <i>Reactive and Functional Polymers</i> , 2006, 66, 123-135.	2.0	20
50	Shaping Amorphous Calcium Carbonate Films into 2D Model Substrates for Bone Cell Culture. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1762-1767.	7.2	54
51	The Patterning and Alignment of Muscle Cells Using the Selective Adhesion of Poly(oligoethylene) Tj ETQq1 1 0.784314 rgBT /Overlode 2324-2329.	11.1	35
52	Optimization of the synthesis of poly(octadecyl acrylate) by atom transfer radical polymerization and the preparation of all comblike amphiphilic diblock copolymers. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1129-1143.	2.5	61
53	Room-Temperature, High-Yield Route to Poly(n-alkylmethylsilane)s and Poly(di-n-hexylsilane). <i>Macromolecules</i> , 2005, 38, 1633-1639.	2.2	26
54	Synthesis of poly(styrene-block -methylphenylsilane-block -styrene) via TEMPO-mediated controlled free radical polymerisation. <i>Polymer International</i> , 2004, 53, 465-471.	1.6	2

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55	Synthesis of poly[dimethylsiloxane-block-oligo(ethylene glycol) methyl ether methacrylate]: an amphiphilic copolymer with a comb-like block. <i>Polymer</i> , 2004, 45, 6111-6121.	1.8	51
56	Surface-Induced Selective Delamination of Amphiphilic ABA Block Copolymer Thin Films. <i>Macromolecules</i> , 2004, 37, 3431-3437.	2.2	17
57	The role of oligomers in the synthesis of polysilanes by the Wurtz reductive coupling reaction. <i>Journal of Organometallic Chemistry</i> , 2003, 685, 60-64.	0.8	22
58	Synthesis and characterization of poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (methacrylate)-block-poly(methylphenylsila radical polymerization. <i>Journal of Polymer Science Part A</i> , 2003, 41, 30-40.	2.5	16
59	ABA triblock copolymers: from controlled synthesis to controlled function. <i>Journal of Materials Chemistry</i> , 2003, 13, 2771-2778.	6.7	35
60	Plastic- and liquid-crystalline architectures from dendritic receptor molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5093-5098.	3.3	31
61	Silane-based hybrids for biomedical applications. <i>Journal of Adhesion Science and Technology</i> , 2002, 16, 143-155.	1.4	21
62	A Model for Defectâˆ’Diffusion-Controlled Polymerization at a Surface as Typified by the Alkali-Metal Mediated Synthesis of Polysilanes. <i>Macromolecules</i> , 2002, 35, 548-554.	2.2	16
63	Induction of Preferential Helical Screw Senses in Optically Inactive Polysilanes via Chiral Solvation. <i>Macromolecular Rapid Communications</i> , 2002, 23, 99-103.	2.0	41
64	Grafting on polysilanes using atom transfer radical polymerisation. <i>Polymer International</i> , 2002, 51, 1107-1110.	1.6	3
65	Induction of Preferential Helical Screw Senses in Optically Inactive Polysilanes via Chiral Solvation. , 2002, 23, 99.		1
66	Lamellar Organic Thin Films through Self-Assembly and Molecular Recognition. <i>Journal of Organic Chemistry</i> , 2001, 66, 391-399.	1.7	34
67	Synthesis and characterization of poly(methylphenylsilylene)-poly(ethylene oxide) and poly(methylphenylsilylene)-polyisoprene multiblock copolymers. <i>Polymer International</i> , 2001, 50, 1016-1028.	1.6	14
68	Hostâ€‘guest complexes with tuneable solid state structures. <i>Chemical Communications</i> , 2000, , 355-356.	2.2	9
69	Direct Evidence for the Interaction of the Mechanisms of Thermally Initiated and Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 9166-9168.	2.2	7
70	Self-Assembled Structures from an Amphiphilic Multiblock Copolymer Containing Rigid Semiconductor Segments. <i>Macromolecules</i> , 2000, 33, 8289-8294.	2.2	122
71	Optical transduction of chemical sensing by thin films of colour reagents and molecular receptors using piezo-optical and surface plasmon resonance methods. <i>Journal of Materials Chemistry</i> , 2000, 10, 175-182.	6.7	8
72	Synthesis of Polysilanes by the Wurtz Reductive-Coupling Reaction. , 2000, , 353-373.		10

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73	Tricarbonylchromium promoted tacticity variations in the Wurtz synthesis of poly(methylphenylsilane). <i>Polymer International</i> , 1999, 48, 157-158.	1.6	7
74	The detection of phenols in water using a surface plasmon resonance system with specific receptors. <i>Sensors and Actuators B: Chemical</i> , 1998, 51, 305-310.	4.0	38
75	The first example of a poly(ethylene oxide)-poly(methylphenylsilane) amphiphilic block copolymer: vesicle formation in water. <i>Chemical Communications</i> , 1998, , 1445-1446.	2.2	64
76	Correlation of Structure and Molecular Weight Distributions during the Formation of Poly(methylphenylsilylene) by the Wurtz Reductive-Coupling Reaction. <i>Organometallics</i> , 1998, 17, 59-64.	1.1	35
77	Evaluation of halomethylated poly(methylphenylsilane)s as electron-beam resists. <i>Journal of Materials Chemistry</i> , 1997, 7, 1701-1707.	6.7	6
78	A convenient route to poly(methylphenylsilane)-graft-polystyrene copolymers. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 3571-3579.	1.1	20
79	Reappraisal of the Origins of the Polymodal Molecular Mass Distributions in the Formation of Poly(methylphenylsilylene) by the Wurtz Reductive-Coupling Reaction. <i>Macromolecules</i> , 1996, 29, 8036-8046.	2.2	27
80	Optimisation of the pyroelectric figure of merit of polysiloxane/amine superlattices. <i>Thin Solid Films</i> , 1996, 284-285, 915-918.	0.8	3
81	Wurtz synthesis of a high-molecular-weight organostannane-organosilane copolymer. <i>Polymer</i> , 1996, 37, 3477-3479.	1.8	19
82	A reappraisal of the stereochemistry of polysilylenes formed by the Wurtz reductive-coupling reaction. <i>Journal of Organometallic Chemistry</i> , 1996, 521, 171-176.	0.8	25
83	Chemical Modifications of Halomethylated Poly(Methylphenylsilane): A New and Facile Route to Functionalized Polysilanes. , 1996, , 161-175.		1
84	High pyroelectric sensitivity in alternate layer Langmuir-Blodgett superlattices. <i>Materials Science and Engineering C</i> , 1995, 3, 197-203.	3.8	8
85	Langmuir-Blodgett films of linear polysiloxanes incorporating aromatic side-chains: structure-property relationships. <i>Thin Solid Films</i> , 1994, 242, 61-66.	0.8	6
86	Molecular engineering of pyroelectric polysiloxane Langmuir-Blodgett superlattices: synthesis, film preparation and pyroelectric properties. <i>Supramolecular Science</i> , 1994, 1, 39-53.	0.7	16
87	The synthesis and evaluation of novel polysiloxane Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1992, 210-211, 299-302.	0.8	8