

Jon A Preece

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154
papers

4,683
citations

38
h-index

62
g-index

163
ext. papers

4,948
ext. citations

4.7
avg, IF

4.94
L-index

#	Paper	IF	Citations
154	A photochemically driven molecular-level abacus. <i>Chemistry - A European Journal</i> , 2000 , 6, 3558-74	4.8	267
153	A versatile reducible polycation-based system for efficient delivery of a broad range of nucleic acids. <i>Nucleic Acids Research</i> , 2005 , 33, e86	20.1	228
152	Interaction between manufactured gold nanoparticles and naturally occurring organic macromolecules. <i>Science of the Total Environment</i> , 2008 , 402, 51-61	10.2	204
151	Gold nanoparticle patterning of silicon wafers using chemical e-beam lithography. <i>Langmuir</i> , 2004 , 20, 3766-8	4	185
150	Simple Mechanical Molecular and Supramolecular Machines: Photochemical and Electrochemical Control of Switching Processes. <i>Chemistry - A European Journal</i> , 1997 , 3, 152-170	4.8	182
149	Polymer-coated polyethylenimine/DNA complexes designed for triggered activation by intracellular reduction. <i>Journal of Gene Medicine</i> , 2004 , 6, 337-44	3.5	109
148	Bio-nanopatterning of Surfaces. <i>Nanoscale Research Letters</i> , 2007 , 2, 373-84	5	100
147	The art and science of self-assembling molecular machines. <i>Nanotechnology</i> , 1996 , 7, 183-192	3.4	99
146	Molecular organization via ionic interactions at interfaces. 1. Monolayers and LB films of cyclic bisbipyridinium tetracations and dimyristoylphosphatidic acid. <i>Langmuir</i> , 1993 , 9, 1534-1544	4	93
145	Heterosupramolecular chemistry: programmed pseudorotaxane assembly at the surface of a nanocrystal. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1147-50	16.4	84
144	Bis[2]catenanes and a bis[2]rotaxane Model Compounds for Polymers with Mechanically Interlocked Components. <i>Chemistry - A European Journal</i> , 1996 , 2, 31-44	4.8	79
143	A novel example of X-ray-radiation-induced chemical reduction of an aromatic nitro-group-containing thin film on SiO ₂ to an aromatic amine film. <i>ChemPhysChem</i> , 2003 , 4, 884-9	3.2	78
142	Heterosupramolecular Chemistry: Recognition Initiated and Inhibited Silver Nanocrystal Aggregation by Pseudorotaxane Assembly. <i>Journal of the American Chemical Society</i> , 2000 , 122, 6252-6257	16.4	71
141	Precision chemical engineering: integrating nanolithography and nanoassembly. <i>Current Opinion in Colloid and Interface Science</i> , 2004 , 9, 236-248	7.6	70
140	Dialkyl Sulfides: Novel Passivating Agents for Gold Nanoparticles. <i>Langmuir</i> , 2002 , 18, 1791-1795	4	70
139	Tuning Specific Biomolecular Interactions Using Electro-Switchable Oligopeptide Surfaces. <i>Advanced Functional Materials</i> , 2010 , 20, 2657-2663	15.6	68
138	Rull-Polypyridine Complexes Covalently Linked to Electron Acceptors as Wires for Light-Driven Pseudorotaxane-Type Molecular Machines. <i>Chemistry - A European Journal</i> , 1998 , 4, 2413-2422	4.8	68

137	Delivery of siRNA mediated by histidine-containing reducible polycations. <i>Journal of Controlled Release</i> , 2008 , 130, 46-56	11.7	68
136	Fabrication of gold micro- and nanostructures by photolithographic exposure of thiol-stabilized gold nanoparticles. <i>Nano Letters</i> , 2006 , 6, 345-50	11.5	68
135	An electrically reversible switchable surface to control and study early bacterial adhesion dynamics in real-time. <i>Advanced Materials</i> , 2013 , 25, 2181-5	24	67
134	A Fullerene derivative as an electron beam resist for nanolithography. <i>Applied Physics Letters</i> , 1998 , 72, 1302-1304	3.4	67
133	Introduction of [2]Catenanes into Langmuir Films and Langmuir-Blodgett Multilayers. A Possible Strategy for Molecular Information Storage Materials. <i>Langmuir</i> , 2000 , 16, 1924-1930	4	61
132	Nanotribological Properties of Unsymmetrical n-Dialkyl Sulfide Monolayers on Gold: Effect of Chain Length on Adhesion, Friction, and Imaging. <i>Langmuir</i> , 2000 , 16, 3249-3256	4	60
131	Diazapyrenium-containing catenanes and rotaxanes. <i>New Journal of Chemistry</i> , 1999 , 23, 587-602	3.6	59
130	The first hexagonal columnar discotic liquid crystalline carbazole derivatives induced by noncovalent π -interactions. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2790-2800		56
129	Intermolecular organisation of triphenylene-based discotic mesogens by interdigitation of alkyl chains. <i>Journal of Materials Chemistry</i> , 2001 , 11, 302-311		53
128	Selective glycoprotein detection through covalent templating and allosteric imprinting. <i>Chemical Science</i> , 2015 , 6, 5114-5119	9.4	52
127	Self-Assembly of the First Fullerene-Containing [2]Catenane. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1448-1451		52
126	Secondary dibenzylammonium ion binding by [24]crown-8 and [25]crown-8 macrocycles. <i>Tetrahedron Letters</i> , 1999 , 40, 3661-3664	2	47
125	Determination of the elastic properties of single microcapsules using micromanipulation and finite element modeling. <i>Chemical Engineering Science</i> , 2011 , 66, 2042-2049	4.4	46
124	Molecular Recognition-Induced Function and Competitive Replacement by Hydrogen-Bonding Interactions: Amphiphilic Barbituric Acid Derivatives, 2,4,6-Triaminopyrimidine, and Related Structures at the Air/Water Interface. <i>Langmuir</i> , 1999 , 15, 174-184	4	46
123	Glucose selective surface plasmon resonance-based bis-boronic acid sensor. <i>Analyst</i> , 2013 , 138, 7140-5		45
122	Nanotechnology: The Top-Down and Bottom-Up Approaches 2012 ,		45
121	Model Organic Surfaces to Probe Marine Bacterial Adhesion Kinetics by Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2012 , 22, 3672-3681	15.6	41
120	Organic-inorganic double shell composite microcapsules. <i>Chemical Communications</i> , 2010 , 46, 1718-20	5.8	41

119	Electrochemically controllable conjugation of proteins on surfaces. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1919-23	6.3	40
118	The swelling behaviour of thermoresponsive hydrogel/silica nanoparticle composites. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4827		39
117	Multicomponent synthetic polymers with viral-mimetic chemistry for nucleic acid delivery. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1-13	5.6	38
116	Microcapsules with low content of formaldehyde: preparation and characterization. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6882		38
115	The Idiosyncrasies of Tetrabenzo[24]crown-8 in the Solid State. <i>Tetrahedron</i> , 2000 , 56, 6675-6681	2.4	38
114	A Brief Review of Carbazole-Based Photorefractive Liquid Crystalline Materials. <i>Israel Journal of Chemistry</i> , 2012 , 52, 917-934	3.4	37
113	The influence of surface lubricity on the adhesion of <i>Navicula perminuta</i> and <i>Ulva linza</i> to alkanethiol self-assembled monolayers. <i>Journal of the Royal Society Interface</i> , 2007 , 4, 473-7	4.1	37
112	10 nm scale electron beam lithography using a triphenylene derivative as a negative/positive tone resist. <i>Journal Physics D: Applied Physics</i> , 1999 , 32, L75-L78	3	37
111	A chemically amplified fullerene-derivative molecular electron-beam resist. <i>Small</i> , 2007 , 3, 2076-80	11	35
110	Design of Potentially Photorefractive Liquid Crystalline Materials: Derivatives of 3,6-Disubstituted Carbazole. <i>Crystal Growth and Design</i> , 2005 , 5, 1443-1450	3.5	34
109	Electrically Responsive Surfaces: Experimental and Theoretical Investigations. <i>Accounts of Chemical Research</i> , 2016 , 49, 1223-31	24.3	33
108	Size and strength distributions of melamine-formaldehyde microcapsules prepared by membrane emulsification. <i>Powder Technology</i> , 2012 , 227, 43-50	5.2	33
107	Electron beam induced fragmentation of fullerene derivatives. <i>Chemical Physics Letters</i> , 1998 , 289, 586-590	2.9	33
106	Direct Observation of Reversible Biomolecule Switching Controlled By Electrical Stimulus. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1-4	4.6	30
105	Nanoparticle catalysts for proton exchange membrane fuel cells: can surfactant effects be beneficial for electrocatalysis?. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 11435-46	3.6	30
104	Chemically amplified molecular resists for electron beam lithography. <i>Microelectronic Engineering</i> , 2006 , 83, 1115-1118	2.5	30
103	Structure and Mechanical Properties of Consumer-Friendly PMMA Microcapsules. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 11253-11265	3.9	29
102	Failure of elastic-plastic core-shell microcapsules under compression. <i>AIChE Journal</i> , 2012 , 58, 2674-2683	3.6	27

101	pH-Dependent gold nanoparticle self-organization on functionalized Si/SiO ₂ surfaces. <i>Journal of Experimental Nanoscience</i> , 2006 , 1, 333-353	1.9	27
100	A self-complexing macrocycle acting as a chromophoric receptor. <i>Tetrahedron Letters</i> , 1997 , 38, 3635-3638		25
99	Chemical manipulation by X-rays of functionalized thiolate self-assembled monolayers on Au. <i>Langmuir</i> , 2008 , 24, 13969-76	4	25
98	Anion-Orchestrated Formation in the Crystalline State of [2]Pseudorotaxane Arrays. <i>Organic Letters</i> , 1999 , 1, 1917-1920	6.2	25
97	(LYS)(16)-based reducible polycations provide stable polyplexes with anionic fusogenic peptides and efficient gene delivery to post mitotic cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007 , 1770, 1331-7	4	24
96	Analysis of charge transport in arrays of 28 kDa nanocrystal gold molecules. <i>Journal of Materials Chemistry</i> , 2005 , 15, 4403		24
95	A triphenylene derivative as a novel negative/positive tone resist of 10 nanometer resolution. <i>Microelectronic Engineering</i> , 2000 , 53, 425-428	2.5	24
94	Exposure mechanism of fullerene derivative electron beam resists. <i>Chemical Physics Letters</i> , 1999 , 312, 469-474	2.5	23
93	Electrically-driven modulation of surface-grafted RGD peptides for manipulation of cell adhesion. <i>Chemical Communications</i> , 2014 , 50, 15589-92	5.8	22
92	Fullerene Resist Materials for the 32 nm Node and Beyond. <i>Advanced Functional Materials</i> , 2008 , 18, 1977-1982	15.6	22
91	Ultrathin fullerene films as high-resolution molecular resists for low-voltage electron-beam lithography. <i>Small</i> , 2006 , 2, 1003-6	11	22
90	Ultrasensitive determination of mercury(II) using glass nanopores functionalized with macrocyclic dioxotetraamines. <i>Mikrochimica Acta</i> , 2016 , 183, 491-495	5.8	21
89	Processing and characterization of gold nanoparticles for use in plasmon probe spectroscopy and microscopy of biosystems. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1130, 201-6	6.5	21
88	Compression of elastic/perfectly plastic microcapsules using micromanipulation and finite element modelling: Determination of the yield stress. <i>Chemical Engineering Science</i> , 2011 , 66, 1835-1843	4.4	20
87	Langmuir films and Langmuir-Blodgett multilayers incorporating mechanically-threaded molecules-pseudorotaxanes. <i>Thin Solid Films</i> , 1996 , 284-285, 671-677	2.2	20
86	Engineering the mechanical and physical properties of organic/inorganic composite microcapsules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 433, 30-36	5.1	19
85	Determination of the shell permeability of microcapsules with a core of oil-based active ingredient. <i>Journal of Microencapsulation</i> , 2012 , 29, 463-74	3.4	19
84	Nanostructures from nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S3047-S3063	1.8	19

83	Intermolecular organization of triphenylene-based discotic mesogens by interdigitation of alkyl chains. <i>Liquid Crystals</i> , 2000 , 27, 689-692	2.3	19
82	The Self-Assembly and Dynamic Properties of Thiophene-Containing [2]Catenanes. <i>Synthesis</i> , 1994 , 1994, 1344-1352	2.9	19
81	Modulation of Biointeractions by Electrically Switchable Oligopeptide Surfaces: Structural Requirements and Mechanism. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1300085	4.6	18
80	Switching specific biomolecular interactions on surfaces under complex biological conditions. <i>Analyst, The</i> , 2014 , 139, 5400-8	5	18
79	Different formation kinetics and photoisomerization behavior of self-assembled monolayers of thiols and dithiolanes bearing azobenzene moieties. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11014-24	2.6	17
78	Engineering nanostructures at surfaces using nanolithography. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2007 , 221, 589-629	0.9	17
77	Polysubstituted derivatives of triphenylene as high resolution electron beam resists for nanolithography. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000 , 18, 2730		17
76	Combination dual responsive polypeptide vectors for enhanced gene delivery. <i>Molecular BioSystems</i> , 2008 , 4, 741-5		16
75	Template-Directed Syntheses of a Bis[2]catenane and a Bis[2]rotaxane - Towards Self-Assembling Polymers. <i>Synlett</i> , 1994 , 1994, 789-792	2.2	16
74	The first hexagonal columnar discotic liquid crystalline carbazole derivative. <i>Liquid Crystals</i> , 2000 , 27, 703-706	2.3	15
73	Characterisation of hollow Russian doll microspheres. <i>Journal of Materials Science</i> , 2010 , 45, 3697-3706	4.3	14
72	Suppression of pinhole defects in fullerene molecular electron beam resists. <i>Microelectronic Engineering</i> , 2007 , 84, 1066-1070	2.5	14
71	Triphenylene/Carbazole Mesogens and Their Electrochemistry. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 397, 99-116	0.5	14
70	Surface molecular tailoring using pH-switchable supramolecular dendron-ligand assemblies. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6264-74	9.5	13
69	TEM characterization of chemically synthesized copper-gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 4229-4237	2.3	13
68	Fabrication of patterned surfaces by photolithographic exposure of DNA hairpins carrying a novel photolabile group. <i>Journal of Experimental Nanoscience</i> , 2010 , 5, 26-39	1.9	13
67	Introduction of bis-discotic and bis-calamitic mesogenic addends to C 60. <i>Liquid Crystals</i> , 2002 , 29, 497-504	4.5	13
66	Composite microcapsules with enhanced mechanical stability and reduced active ingredient leakage. <i>Particuology</i> , 2016 , 26, 40-46	2.8	12

65	Fabrication of a nanoparticle gradient substrate by thermochemical manipulation of an ester functionalized SAM. <i>Journal of Materials Chemistry</i> , 2007 , 17, 5097		12
64	Chemical Amplification of a Triphenylene Molecular Electron Beam Resist. <i>Advanced Functional Materials</i> , 2007 , 17, 2522-2527	15.6	12
63	Hysteresis of charge tunneling in assemblies of carboxylic acid-modified gold nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8718-22	3.4	12
62	HREELS studies of gold nanoparticles with dialkyl sulphide ligands. <i>Surface Science</i> , 2002 , 502-503, 208-213	21.8	12
61	Aufbau des ersten Fulleren-haltigen [2]Catenans durch Selbstorganisation. <i>Angewandte Chemie</i> , 1997 , 109, 1611-1614	3.6	11
60	Electrospinning nanosuspensions loaded with passivated Au nanoparticles. <i>Tetrahedron</i> , 2008 , 64, 8476-8483	4.8	11
59	One-step deposition of Au nanoparticles onto chemically modified ceramic hollow spheres via self-assembly. <i>Journal of Experimental Nanoscience</i> , 2012 , 7, 1-16	1.9	10
58	Configuration of microbially synthesized Pd-Au nanoparticles studied by STEM-based techniques. <i>Nanotechnology</i> , 2012 , 23, 055701	3.4	10
57	Vapour phase formation of amino functionalised Si3N4 surfaces. <i>Surface Science</i> , 2008 , 602, 2724-2733	1.8	10
56	Towards Banana-Shaped Liquid Crystals Incorporating Carbazole. <i>Ferroelectrics</i> , 2002 , 276, 103-126	0.6	10
55	Luminescent gold surfaces for sensing and imaging: patterning of transition metal probes. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11598-608	9.5	9
54	Control of nanoparticle aggregation in PEMFCs using surfactants. <i>International Journal of Low-Carbon Technologies</i> , 2012 , 7, 38-43	2.8	9
53	Towards a Molecular Anchor Chain. Synthesis and Catenations of Spiro Crown Ethers. <i>Synthesis</i> , 1997 , 1997, 480-488	2.9	9
52	The pH-dependent adhesion of nanoparticles to self-assembled monolayers on gold. <i>Thin Solid Films</i> , 2008 , 516, 2987-2999	2.2	9
51	Self-organization of amphiphilic N-acylated linear polyethyleneimines: investigation of a reversible monolayer collapse. <i>Thin Solid Films</i> , 1996 , 284-285, 304-307	2.2	9
50	Towards mechanically-linked polymers. <i>Macromolecular Symposia</i> , 1995 , 98, 527-540	0.8	9
49	Room temperature thermally evaporated thin Au film on Si suitable for application of thiol self-assembled monolayers in micro/nano-electro-mechanical-systems sensors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017 , 35, 041514	2.9	8
48	Direct electron-beam writing of highly conductive wires in functionalized fullerene films. <i>Small</i> , 2009 , 5, 2750-5	11	8

47	Plasma etching of high-resolution features in a fullerene molecular resist 2011 ,		8
46	TOWARD BORONATE ESTER MESOGENIC STRUCTURES. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 399, 93-114	0.5	8
45	Towards supramolecular polymers. <i>Macromolecular Symposia</i> , 1996 , 102, 1-8	0.8	8
44	Electrostatically stabilised nanoparticles: self-organization and electron-beam patterning. <i>Journal of Nanoscience and Nanotechnology</i> , 2005 , 5, 1826-31	1.3	8
43	Photochemical fabrication of three-dimensional micro- and nano-structured surfaces from a C60 monoadduct. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2016		7
42	The X-Ray Crystal Structures and Computational Analysis of NH-Hydrogen Bonded Banana-Shaped Carbazole Derivatives and Thermal Analysis of Higher Mesogenic Homologues. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 369, 17-35		7
41	Preparation of Novel Banana-Shaped Triple Helical Liquid Crystals by Metal Coordination. <i>Materials</i> , 2009 , 2, 146-168	3.5	6
40	Positive-tone chemically amplified fullerene resist 2012 ,		6
39	A focused-ion-beam-fabricated micro-paddle resonator for mass detection. <i>Journal of Micromechanics and Microengineering</i> , 2008 , 18, 015021	2	6
38	Elektrosupramolekulare-Chemie: programmierte Pseudorotaxan-Selbstorganisation an einer Nanokristalloberfläche. <i>Angewandte Chemie</i> , 1999 , 111, 1220-1224	3.6	6
37	Novel encapsulation of water soluble inorganic or organic ingredients in melamine formaldehyde microcapsules to achieve their sustained release in an aqueous environment.. <i>RSC Advances</i> , 2018 , 8, 29495-29498	3.7	5
36	Controlling gold nanoparticle assembly on electron beam-reduced nitrophenyl self-assembled monolayers via electron dose. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 433, 181-190	5.1	5
35	Stimuli-Responsive Surfaces in Biomedical Applications 2013 , 377-422		5
34	Determination of the Failure Stresses for Fluid-filled Microcapsules that Rupture Near the Elastic Regime. <i>Experimental Mechanics</i> , 2012 , 52, 1435-1445	2.6	5
33	Low activation energy fullerene molecular resist 2009 ,		5
32	The Self-Assembly of Redox-Active and Photo-Active Catenanes and Rotaxanes 1995 , 1-28		5
31	Efficient encapsulation of water soluble inorganic and organic actives in melamine formaldehyde based microcapsules for control release into an aqueous environment. <i>Chemical Engineering Science</i> , 2021 , 229, 116103	4.4	5
30	Novel polystyrene sulfonate-silica microspheres as a carrier of a water soluble inorganic salt (KCl) for its sustained release, via a dual-release mechanism. <i>RSC Advances</i> , 2017 , 7, 478-481	3.7	4

29	Combined Experimental and Computational Study of Polyaromatic Hydrocarbon Aggregation: Isolating the Effect of Attached Functional Groups. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20505-20515	3.9	4
28	Design and Synthesis of Novel Calamitic and Discotic Materials Based on the Photorefractive Carbazole Unit. <i>Molecular Crystals and Liquid Crystals</i> , 2010 , 518, 84-100	0.5	4
27	Spatially controlled assembly of nanomaterials at the nanoscale. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 650-4	1.3	4
26	Detecting a transition-metal ammine at tailored surfaces. <i>Journal of Materials Chemistry</i> , 1997 , 7, 1147-1154		4
25	Multi-adduct derivatives of C60 for electron beam nano-resists. <i>Microelectronic Engineering</i> , 2002 , 61-62, 737-743	2.5	4
24	Interaction of reducible polypeptide gene delivery vectors with supported lipid bilayers: pore formation and structure/function relationships. <i>Soft Matter</i> , 2010 , 6, 2517	3.6	3
23	The Use of Ionic and Non-Ionic Surfactants for the Control of Platinum Nanoparticle Aggregation in Proton Exchange Membrane Fuel Cells (PEMFCs). <i>ECS Transactions</i> , 2011 , 41, 2165-2173	1	3
22	pH-dependent adsorption of Au nanoparticles on chemically modified Si3N4 MEMS devices. <i>Journal of Experimental Nanoscience</i> , 2009 , 4, 147-157	1.9	3
21	Chemically amplified fullerene resists for e-beam lithography 2008 ,		3
20	Chemically amplified molecular resists for e-beam lithography. <i>Microelectronic Engineering</i> , 2008 , 85, 764-767	2.5	3
19	Novel 3,4-disubstituted thiophenes for weak passivation of Au nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2006 , 1, 143-164	1.9	3
18	Making electrical nanocontacts to nanocrystal assemblies: mapping of room-temperature Coulomb-blockade thresholds in arrays of 28-kDa gold nanocrystals. <i>Small</i> , 2006 , 2, 261-6	11	3
17	Encapsulation of hexylsalicylate in an animal-free chitosan-gum Arabic shell by complex coacervation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 625, 126861	5.1	3
16	On-Demand Electrical Switching of Antibody-Antigen Binding on Surfaces.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 738-747	4.1	2
15	Synthesis and characterization of nano ceria for biological applications 2013 ,		2
14	Measurement of the adhesion between single melamine-formaldehyde resin microparticles and a flat fabric surface using AFM. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 973-987	2	2
13	Multiscale patterning of nanocomposite polyelectrolyte/nanoparticle films using inkjet printing and AFM scratching. <i>Materials Research Express</i> , 2015 , 2, 065301	1.7	2
12	The adhesive properties of pyridine-terminated self-assembled monolayers. <i>Thin Solid Films</i> , 2009 , 517, 3806-3812	2.2	2

11	Nano planar coil actuated micro paddle resonator for mass detection. <i>Microelectronic Engineering</i> , 2011 , 88, 2229-2232	2.5	2
10	Anomalous acid diffusion in a triphenylene molecular resist with melamine crosslinker. <i>Microelectronic Engineering</i> , 2008 , 85, 1540-1544	2.5	2
9	Improved Sensitivity of Multi-adduct Derivatives of Fullerene.. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shij]</i> , 2001 , 14, 543-546	0.7	2
8	Towards Molecular and Supramolecular Devices 1995 , 1-8		2
7	Characterization of the effects of base additives on a fullerene chemically amplified resist 2010 ,		1
6	e-Beam Nanolithography Integrated with Nanoassembly: Precision Chemical Engineering 2006 , 383-396		1
5	Microcapsules with a fungal chitosan-gum Arabic-maltodextrin shell to encapsulate health-beneficial peppermint oil. <i>Food Hydrocolloids for Health</i> , 2021 , 1, 100016		1
4	Rull-Polypyridine Complexes Covalently Linked to Electron Acceptors as Wires for Light-Driven Pseudorotaxane-Type Molecular Machines 1998 , 4, 2413		1
3	A Photochemically Driven Molecular-Level Abacus 2000 , 6, 3558		1
2	Nanoparticles: Technological uses and environmental impact. <i>Toxicology Letters</i> , 2008 , 180, S20	4.4	
1	Combined Experimental and Computational Study of Polycyclic Aromatic Compound Aggregation: The Impact of Solvent Composition. <i>Polycyclic Aromatic Compounds</i> ,1-20	1.3	