

# Marc in het Panhuis

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164 papers	6,954 citations	47 h-index	79 g-index
175 ext. papers	7,806 ext. citations	5.3 avg, IF	6.44 L-index

#	Paper	IF	Citations
164	Self-Healing Hydrogels. <i>Advanced Materials</i> , <b>2016</b> , 28, 9060-9093	24	701
163	4D Printing with Mechanically Robust, Thermally Actuating Hydrogels. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 1211-7	4.8	337
162	3D printing of layered brain-like structures using peptide modified gellan gum substrates. <i>Biomaterials</i> , <b>2015</b> , 67, 264-73	15.6	283
161	3D Printing of Transparent and Conductive Heterogeneous Hydrogel-Elastomer Systems. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604827	24	280
160	A Microscopic and Spectroscopic Study of Interactions between Carbon Nanotubes and a Conjugated Polymer. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 2210-2216	3.4	204
159	An overview of the suitability of hydrogel-forming polymers for extrusion-based 3D-printing. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 4105-4117	7.3	196
158	Biofabrication: an overview of the approaches used for printing of living cells. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 4243-58	5.7	180
157	Bio-ink for on-demand printing of living cells. <i>Biomaterials Science</i> , <b>2013</b> , 1, 224-230	7.4	153
156	Three-dimensional printing fiber reinforced hydrogel composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 15998-6006	9.5	144
155	Extrusion printing of ionic-covalent entanglement hydrogels with high toughness. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 4939-4946	7.3	133
154	Recovery from applied strain in interpenetrating polymer network hydrogels with ionic and covalent cross-links. <i>Soft Matter</i> , <b>2012</b> , 8, 9985	3.6	126
153	Selective Interaction in a PolymerSingle-Wall Carbon Nanotube Composite. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 478-482	3.4	120
152	Inkjet printing of transparent, electrically conducting single-walled carbon-nanotube composites. <i>Small</i> , <b>2007</b> , 3, 1500-3	11	118
151	Interconnecting carbon nanotubes with an inorganic metal complex. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 13694-5	16.4	105
150	Characterization of the Interaction of Gamma Cyclodextrin with Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , <b>2003</b> , 3, 843-846	11.5	103
149	Modified gellan gum hydrogels for tissue engineering applications. <i>Soft Matter</i> , <b>2013</b> , 9, 3705	3.6	102
148	Tissue engineering with gellan gum. <i>Biomaterials Science</i> , <b>2016</b> , 4, 1276-90	7.4	91

147	3D Printed Flexure Hinges for Soft Monolithic Prosthetic Fingers. <i>Soft Robotics</i> , <b>2016</b> , 3, 120-133	9.2	90
146	Fabrication of Polyaniline-Based Gas Sensors Using Piezoelectric Inkjet and Screen Printing for the Detection of Hydrogen Sulfide. <i>IEEE Sensors Journal</i> , <b>2010</b> , 10, 1419-1426	4	89
145	Optimisation of the arc-discharge production of multi-walled carbon nanotubes. <i>Carbon</i> , <b>2002</b> , 40, 923-928	28.4	84
144	Surface analysis of lipids by mass spectrometry: more than just imaging. <i>Progress in Lipid Research</i> , <b>2013</b> , 52, 329-53	14.3	80
143	Conducting bio-materials based on gellan gum hydrogels. <i>Soft Matter</i> , <b>2009</b> , 5, 3430	3.6	77
142	Ionic-covalent entanglement hydrogels from gellan gum, carrageenan and an epoxy-amine. <i>Soft Matter</i> , <b>2013</b> , 9, 3009	3.6	70
141	Highly Stretchable Conducting SIBS-P3HT Fibers. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 955-962	15.6	70
140	Conducting textiles from single-walled carbon nanotubes. <i>Synthetic Metals</i> , <b>2007</b> , 157, 358-362	3.6	70
139	Reinforcement of macroscopic carbon nanotube structures by polymer intercalation: The role of polymer molecular weight and chain conformation. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	70
138	3D printing Vegemite and Marmite: Redefining Breadboards. <i>Journal of Food Engineering</i> , <b>2018</b> , 220, 83-88	6	69
137	Gelapin, a degradable genipin cross-linked gelatin hydrogel. <i>RSC Advances</i> , <b>2013</b> , 3, 1073-1081	3.7	68
136	Distributed polarizability of the water dimer: Field-induced charge transfer along the hydrogen bond. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 7951-7961	3.9	67
135	Inkjet deposition and characterization of transparent conducting electroactive polyaniline composite films with a high carbon nanotube loading fraction. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4359		66
134	Bioinspired 3D Printable Soft Vacuum Actuators for Locomotion Robots, Grippers and Artificial Muscles. <i>Soft Robotics</i> , <b>2018</b> , 5, 685-694	9.2	65
133	Poly(3,4-ethylenedioxythiophene):dextran sulfate (PEDOT:DS) - a highly processable conductive organic biopolymer. <i>Acta Biomaterialia</i> , <b>2015</b> , 14, 33-42	10.8	61
132	Enhanced gelation properties of purified gellan gum. <i>Carbohydrate Research</i> , <b>2014</b> , 388, 125-9	2.9	58
131	Inkjet printed water sensitive transparent films from natural gum-carbon nanotube composites. <i>Soft Matter</i> , <b>2007</b> , 3, 840-843	3.6	58
130	Carbon nanotubes: enhancing the polymer building blocks for intelligent materials. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 3598		57

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| 129 | Synthesis and Properties of Optically Active Polyaniline Carbon Nanotube Composites. <i>Macromolecules</i> , <b>2006</b> , 39, 7324-7332   | 5.5  | 57 |
| 128 | A molecular dynamics study of carbon dioxide in water: diffusion, structure and thermodynamics. <i>Molecular Physics</i> , <b>1998</b> , 94, 963-972                               | 1.7  | 55 |
| 127 | Extrusion Printing of Flexible Electrically Conducting Carbon Nanotube Networks. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4790-4800                                | 15.6 | 54 |
| 126 | Imaging of human lens lipids by desorption electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2010</b> , 21, 2095-104    | 3.5  | 53 |
| 125 | Using ambient ozone for assignment of double bond position in unsaturated lipids. <i>Analyst, The</i> , <b>2012</b> , 137, 1100-10   | 5    | 52 |
| 124 | Reinforced Materials Based on Chitosan, TiO <sub>2</sub> and Ag Composites. <i>Polymers</i> , <b>2012</b> , 4, 590-599   | 4.5  | 52 |
| 123 | Carbon nanotube network formation from evaporating sessile drops. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 13029-36   | 3.4  | 49 |
| 122 | Development of carboxymethyl cellulose-based hydrogel and nanosilver composite as antimicrobial agents for UTI pathogens. <i>Carbohydrate Polymers</i> , <b>2016</b> , 138, 229-36 | 10.3 | 48 |
| 121 | Synthesis, properties, water and solute permeability of MWNT buckypapers. <i>Journal of Membrane Science</i> , <b>2014</b> , 456, 175-184  | 9.6  | 47 |
| 120 | Direct lipid profiling of single cells from inkjet printed microarrays. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 9679-833   | 9.3  | 47 |
| 119 | Characterization of an interaction between functionalized carbon nanotubes and an enzyme. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2003</b> , 3, 209-13               | 1.3  | 47 |
| 118 | 3D printing of tough hydrogel composites with spatially varying materials properties. <i>Additive Manufacturing</i> , <b>2017</b> , 14, 24-30                                      | 6.1  | 46 |
| 117 | A 3D-Printed Omni-Purpose Soft Gripper. <i>IEEE Transactions on Robotics</i> , <b>2019</b> , 35, 1268-1275   | 6.5  | 46 |
| 116 | Printed ionic-covalent entanglement hydrogels from carrageenan and an epoxy amine. <i>RSC Advances</i> , <b>2014</b> , 4, 38088-38092  | 3.7  | 46 |
| 115 | Vaccine delivery by carbon nanotubes. <i>Chemistry and Biology</i> , <b>2003</b> , 10, 897-8   |      | 44 |
| 114 | Spinning Carbon Nanotube-Gel Fibers Using Polyelectrolyte Complexation. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 3759-3764   | 15.6 | 43 |
| 113 | Optically active polymer carbon nanotube composite. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 22725-9.4  | 3.4  | 43 |
| 112 | The effect of preparation conditions and biopolymer dispersants on the properties of SWNT buckypapers. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 9131              |      | 42 |

111	Inkjet and extrusion printing of conducting poly(3,4-ethylenedioxythiophene) tracks on and embedded in biopolymer materials. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 2671		41
110	. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2019</b> , 24, 2118-2129	5.5	39
109	Robust biopolymer based ionic-covalent entanglement hydrogels with reversible mechanical behaviour. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 4694-4702	7.3	39
108	Electrical and mechanical characteristics of buckypapers and evaporative cast films prepared using single and multi-walled carbon nanotubes and the biopolymer carrageenan. <i>Carbon</i> , <b>2012</b> , 50, 1197-1208	10.4	39
107	Controlling the optical properties of a conjugated co-polymer through variation of backbone isomerism and the introduction of carbon nanotubes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2001</b> , 144, 31-41	4.7	37
106	Peptide modification of purified gellan gum. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 1106-1115	7.3	36
105	Synthesis, properties and water permeability of SWNT buckypapers. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13800		35
104	Assembling carbon nanotubosomes using an emulsion-inversion technique. <i>Chemical Communications</i> , <b>2005</b> , 1726-8	5.8	34
103	Polyelectrolyte complex materials from chitosan and gellan gum. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 352-358	5.8	33
102	Electrical conductivity, impedance, and percolation behavior of carbon nanofiber and carbon nanotube containing gellan gum hydrogels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2014</b> , 52, 864-871	2.6	32
101	Synthesis and characterisation of MWNT/chitosan and MWNT/chitosan-crosslinked buckypaper membranes for desalination. <i>Desalination</i> , <b>2017</b> , 418, 60-70	10.3	32
100	Effect of heterocyclic capping groups on the self-assembly of a dipeptide hydrogel. <i>Soft Matter</i> , <b>2016</b> , 12, 2700-7	3.6	31
99	Conducting gel-fibres based on carrageenan, chitosan and carbon nanotubes. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7953		31
98	Degradable 3D-Printed Hydrogels Based on Star-Shaped Copolypeptides. <i>Biomacromolecules</i> , <b>2018</b> , 19, 2691-2699	6.9	29
97	Mechanical characteristics of swollen gellan gum hydrogels. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 3374-3383	2.9	28
96	A simulation study of the kinetics of passage of CO <sub>2</sub> and N <sub>2</sub> through the liquid/vapor interface of water. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 2190-2199	3.9	28
95	3D/4D Printing Hydrogel Composites: A Pathway to Functional Devices. <i>MRS Advances</i> , <b>2016</b> , 1, 521-526	0.7	28
94	Soft Pneumatic Sensing Chambers for Generic and Interactive Human-Machine Interfaces. <i>Advanced Intelligent Systems</i> , <b>2019</b> , 1, 1900002	6	27

93	Gellan gum doped polypyrrole neural prosthetic electrode coatings. <i>Soft Matter</i> , <b>2011</b> , 7, 4690	3.6	27
92	Characterization of Covalent Functionalized Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 9665-9668	3.4	26
91	Highly conducting composite hydrogels from gellan gum, PEDOT:PSS and carbon nanofibres. <i>Synthetic Metals</i> , <b>2015</b> , 206, 61-65	3.6	24
90	Fabrication of carbon nanotube-based microcapsules by a colloid templating technique. <i>Nanotechnology</i> , <b>2005</b> , 16, 1522-1525	3.4	24
89	Gel-carbon nanotube composites: the effect of carbon nanotubes on gelation and conductivity behaviour. <i>Soft Matter</i> , <b>2009</b> , 5, 1466	3.6	23
88	Bacterial Filtration Using Carbon Nanotube/Antibiotic Buckypaper Membranes. <i>Journal of Nanomaterials</i> , <b>2013</b> , 2013, 1-11	3.2	22
87	Conducting hydrogels for edible electrodes. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 5318-5328	7.3	20
86	Filling of carbon nanotubes and nanofibres. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 508-16	3	20
85	Nanotube network transistors from peptide-wrapped single-walled carbon nanotubes. <i>Small</i> , <b>2005</b> , 1, 820-3	11	20
84	Polyelectrolyte complex materials consisting of antibacterial and cell-supporting layers. <i>Macromolecular Bioscience</i> , <b>2012</b> , 12, 374-82	5.5	19
83	The rejection of mono- and di-valent ions from aquatic environment by MWNT/chitosan buckypaper composite membranes: Influences of chitosan concentrations. <i>Separation and Purification Technology</i> , <b>2020</b> , 234, 116088	8.3	19
82	Nanofiltration applications of tough MWNT buckypaper membranes containing biopolymers. <i>Journal of Membrane Science</i> , <b>2017</b> , 529, 23-34	9.6	18
81	Gel-carbon nanotube materials: the relationship between nanotube network connectivity and conductivity. <i>Nanoscale</i> , <b>2010</b> , 2, 1740-5	7.7	18
80	Environmental effects on molecular response in materials for non-linear optics. <i>Synthetic Metals</i> , <b>2000</b> , 109, 29-32	3.6	18
79	Conducting composite materials from the biopolymer kappa-carrageenan and carbon nanotubes. <i>Beilstein Journal of Nanotechnology</i> , <b>2012</b> , 3, 415-27	3	17
78	Distributed polarizability analysis for para-nitroaniline and meta-nitroaniline: functional group and charge-transfer contributions. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 11479-86	3.9	17
77	Effect of flexure hinge type on a 3D printed fully compliant prosthetic finger <b>2015</b> ,		16
76	Characterization of Gellan Gum by Capillary Electrophoresis. <i>Australian Journal of Chemistry</i> , <b>2012</b> , 65, 1156	1.2	16

75	Conducting carbon nanofibre networks: dispersion optimisation, evaporative casting and direct writing. <i>RSC Advances</i> , <b>2013</b> , 3, 21936	3.7	15
74	Inkjet printing of self-assembling polyelectrolyte hydrogels. <i>Soft Matter</i> , <b>2011</b> , 7, 3818	3.6	15
73	Mechanical reinforcement of continuous flow spun polyelectrolyte complex fibers. <i>Macromolecular Bioscience</i> , <b>2009</b> , 9, 354-60	5.5	15
72	Carbon Nanotube Mediated Reduction in Optical Activity in Polyaniline Composite Materials. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 1441-1445	3.8	15
71	Optimal polymer characteristics for nanotube solubility. <i>Synthetic Metals</i> , <b>2001</b> , 121, 1187-1188	3.6	15
70	Microscopy and spectroscopy of interactions between metallopolymers and carbon nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 13205-9	3.4	12
69	Stabilization of single-wall carbon nanotubes in fully sulfonated polyaniline. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2004</b> , 4, 976-81	1.3	12
68	Solubility and purity of nanotubes in arc discharge carbon powder. <i>Synthetic Metals</i> , <b>2001</b> , 121, 1229-1230	3.6	12
67	Degradation behavior of ionic-covalent entanglement hydrogels. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132,	2.9	11
66	Thermal actuation of hydrogels from PNIPAm, alginate, and carbon nanofibres. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2018</b> , 56, 46-52	2.6	11
65	Electrically Conducting PEDOT:PSS Gellan Gum Hydrogels. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1569, 219-223		11
64	Influence of added hydrogen bonding agents on the chiroptical properties of chiral polyaniline. <i>Synthetic Metals</i> , <b>2009</b> , 159, 715-717	3.6	11
63	Porous PNIPAm hydrogels: Overcoming diffusion-governed hydrogel actuation. <i>Sensors and Actuators A: Physical</i> , <b>2020</b> , 301, 111784	3.9	11
62	Design, Modeling, and Control of a 3D Printed Monolithic Soft Robotic Finger With Embedded Pneumatic Sensing Chambers. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 26, 876-887	5.5	11
61	Disulphide crosslinked star block copolypeptide hydrogels: influence of block sequence order on hydrogel properties. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 3908-3916	4.9	11
60	A COMPOSITE FROM SOY OIL AND CARBON NANOTUBES. <i>International Journal of Nanoscience</i> , <b>2003</b> , 02, 185-194	0.6	10
59	Microscopic treatment of substrate effects on linear and quadratic optical response of model Langmuir-Blodgett multilayers. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 10685-10690	3.9	10
58	Nonlinear photoluminescence in multiwall carbon nanotubes. <i>Synthetic Metals</i> , <b>2001</b> , 119, 641-642	3.6	10



57	Programmable enzymatic oxidation of tyrosine-lysine tetrapeptides. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 3104-3112	7.3	9
56	Reinforcing biopolymer hydrogels with ionic-covalent entanglement hydrogel microspheres. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	9
55	Preparation and characterisation of graphene composite hydrogels. <i>Synthetic Metals</i> , <b>2013</b> , 168, 36-42	3.6	9
54	Reversible transport characteristics of multi-walled carbon nanotubes in free space. <i>Nanotechnology</i> , <b>2005</b> , 16, 1707-1711	3.4	9
53	Microscopic calculations of linear and quadratic optical response in model Langmuir-Blodgett multilayers. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 6763-6773	3.9	9
52	Nanofiltration membranes prepared from pristine and functionalised multiwall carbon nanotubes/biopolymer composites for water treatment applications. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 9080-9092	5.5	9
51	Mechanical stiffness augmentation of a 3D printed soft prosthetic finger <b>2016</b> ,		9
50	Additive Manufacturing, Modeling and Performance Evaluation of 3D Printed Fins for Surfboards. <i>MRS Advances</i> , <b>2017</b> , 2, 913-920	0.7	8
49	3D Printed Edible Hydrogel Electrodes. <i>MRS Advances</i> , <b>2016</b> , 1, 527-532	0.7	8
48	Position Control of a 3D Printed Soft Finger with Integrated Soft Pneumatic Sensing Chambers <b>2020</b> ,		6
47	3D Printable Vacuum-Powered Soft Linear Actuators <b>2019</b> ,		6
46	Radical Generation from the Gas-Phase Activation of Ionized Lipid Ozonides. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 1345-1358	3.5	6
45	Elastic conducting carbon nanotube-laden SIBS fibers <b>2010</b> ,		6
44	Nanomanipulation of Individual Carbon Nanotubes. <i>Microscopy and Microanalysis</i> , <b>2004</b> , 10, 962-963	0.5	6
43	Analysis of linear and quadratic optical response of mixed Langmuir-Blodgett films of stearic acid and 5-CT. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 10691-10696	3.9	6
42	Numerical CFD Investigation of Shortboard Surfing: Fin Design vs. Cutback Turn Performance. <i>Proceedings (mdpi)</i> , <b>2020</b> , 49, 132	0.3	5
41	Nanofibrillar-polyaniline/Carbon nanotube composites: aqueous dispersions and films. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 6157-63	1.3	5
40	Distributed response analysis of conductive behavior in single molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99 Suppl 2, 6514-7	11.5	5



39	Metallic Iron Effects on Coke Analog Carbon Bonding and Reactivity. <i>Steel Research International</i> , <b>2017</b> , 88, 1700039	1.6	4
38	Modern Surfboards and Their Structural Characterization: Towards an Engineering Approach. <i>Proceedings (mdpi)</i> , <b>2020</b> , 49, 65	0.3	4
37	A Soft Stretchable Sensor: Towards Peripheral Nerve Signal Sensing. <i>MRS Advances</i> , <b>2018</b> , 3, 1597-1602	0.7	4
36	Films, Buckypapers and Fibers from Clay, Chitosan and Carbon Nanotubes. <i>Nanomaterials</i> , <b>2011</b> , 1, 3-19	5.4	4
35	Extrusion Printing: Extrusion Printing of Flexible Electrically Conducting Carbon Nanotube Networks (Adv. Funct. Mater. 22/2012). <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4789-4789	15.6	4
34	Fabrication of chemical sensors using inkjet printing and application to gas detection <b>2008</b> ,		4
33	Atomistic Simulations with Carbon Nanotubes [Classical, Quantum, and Transport Modeling. <i>Physica Status Solidi (B): Basic Research</i> , <b>2002</b> , 233, 49-58	1.3	4
32	Printed organic electronic device components from edible materials. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1717, 7		3
31	Simulating adsorbed layers of surfactant mixtures at an oil-water interface. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>1999</b> , 79, 9-14		3
30	Performance evaluation of a humpback whale-inspired hydrofoil design applied to surfboard fins <b>2019</b> ,		3
29	The preparation and characterization of buckypaper made from carbon nanotubes impregnated with chitosan. <i>Polymer Composites</i> , <b>2020</b> , 41, 1393-1404	3	3
28	Sonication-induced effects on carbon nanofibres in composite materials. <i>RSC Advances</i> , <b>2015</b> , 5, 19587-19595	1.7	2
27	Performance evaluation of humpback whale-inspired shortboard surfing fins based on ocean wave fieldwork. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232035	3.7	2
26	Brain on a bench top. <i>Materials Today</i> , <b>2016</b> , 19, 124-125	21.8	2
25	Strain and Pressure Gauges from Tough, Conducting and Edible Hydrogels. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1795, 27-33		2
24	A simple route to carbon micro- and nanorod hybrid structures by physical vapour deposition. <i>Journal Physics D: Applied Physics</i> , <b>2012</b> , 45, 395102	3	2
23	Mechanical Reinforcement of Wool Fiber through Polyelectrolyte Complexation with Chitosan and Gellan Gum. <i>Fibers</i> , <b>2013</b> , 1, 47-58	3.7	2
22	Extrusion printing conducting gel-carbon nanotube structures upon flexible substrates. <b>2010</b> ,		2

21	Nano Patterning and Manipulation of Genetically Engineered Virus Nanoblocks. <i>Microscopy and Microanalysis</i> , <b>2004</b> , 10, 26-27	0.5	2
20	Development of a facile one-pot synthesis method for an ingestible pH sensitive actuator. <i>MRS Advances</i> , <b>2020</b> , 5, 881-889	0.7	2
19	3D Printed Soft Pneumatic Bending Sensing Chambers for Bilateral and Remote Control of Soft Robotic Systems <b>2020</b> ,		2
18	Self-healing hydrogel electrodes from ingestible materials. <i>MRS Communications</i> , <b>2021</b> , 11, 342-348	2.7	2
17	Field Research and Numerical CFD Analysis of Humpback Whale-Inspired Shortboard Fins. <i>Proceedings (mdpi)</i> , <b>2020</b> , 49, 158	0.3	1
16	Strain sensors based on conducting poly(acrylamide) hydrogels. <i>MRS Advances</i> , <b>2020</b> , 5, 917-925	0.7	1
15	Printed hydrogel materials <b>2010</b> ,		1
14	Printing nanomaterials using non-contact printing <b>2010</b> ,		1
13	Inkjet printed conducting gel-carbon nanotube materials <b>2010</b> ,		1
12	Nonlinear photoluminescence from multiwalled carbon nanotubes <b>2001</b> , 4461, 56		1
11	Living electrodes based on green algae in hydrogels. <i>Materials Advances</i> , <b>2021</b> , 2, 1369-1377	3.3	1
10	A Comparison of Chemical and Electrochemical Synthesis of PEDOT:Dextran Sulphate for Bio-Application. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1717, 19		0
9	A 3D-printed instrumented surfboard fin for measuring fin flex. <i>MRS Advances</i> ,1	0.7	0
8	The Suitability of 3-D Printed Eutectic Gallium-Indium Alloy as a Heating Element for Thermally Active Hydrogels. <i>MRS Advances</i> , <b>2017</b> , 2, 335-340	0.7	
7	Celery Electronics. <i>MRS Advances</i> , <b>2020</b> , 5, 847-853	0.7	
6	A New Approach to Investigating Coke Reactivity <b>2014</b> , 519-527		
5	Strong tough gels for 3D tissue constructs. <i>Materials Research Society Symposia Proceedings</i> , <b>2014</b> , 1622, 49-53		
4	Biopolymer Based Tough and Self-Recovering Ionic-Covalent Entanglement Hydrogels. <i>Materials Research Society Symposia Proceedings</i> , <b>2014</b> , 1685, 38		

- 3 Self-Assembled Gels from Biological and Synthetic Polyelectrolytes.. *Materials Research Society Symposia Proceedings*, **2012**, 1418, 51
- 2 Solubility of carbon nanotubes. *Materials Research Society Symposia Proceedings*, **2000**, 633, 531
- 1 Fabrication of porous PDMS sponges using spontaneously self-removing sacrificial templates. *MRS Advances*, 1

0.7