

# Virgilio Mattoli

## List of Publications by Year in descending order

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208  
papers

8,691  
citations

34016

52  
h-index

56606

83  
g-index

211  
all docs

211  
docs citations

211  
times ranked

11487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous Bioactive Glasses in Cancer Diagnosis and Therapy: Stimuli-Responsive, Toxicity, Immunogenicity, and Clinical Translation. <i>Advanced Science</i> , 2022, 9, e2102678.	5.6	76
2	One-step functionalization of mildly and strongly reduced graphene oxide with maleimide: an experimental and theoretical investigation of the Diels-Alder [4+2] cycloaddition reaction. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2491-2503.	1.3	1
3	Bioinspired microneedle patches: Biomimetic designs, fabrication, and biomedical applications. <i>Matter</i> , 2022, 5, 390-429.	5.0	54
4	Novel, High-Resolution, Subtractive Photoresist Formulations for 3D Direct Laser Writing Based on Cyclic Ketene Acetals. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	12
5	Rapid self-healing in IR-responsive plasmonic indium tin oxide/polyketone nanocomposites. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12957-12967.	5.2	7
6	Nitrogen Dioxide Optical Sensor Based on Redox-Active Tetrazolium/Pluronic Nanoparticles Embedded in PDMS Membranes. <i>Chemosensors</i> , 2022, 10, 213.	1.8	0
7	Ultraconformable organic devices. , 2021, , 437-478.		3
8	Mechanochromic LLDPE Films Doped with NIR Reflective Paliogen Black. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000426.	2.0	6
9	Organic Electronics Picks Up the Pace: Mask-Less, Solution Processed Organic Transistors Operating at 160 MHz. <i>Advanced Science</i> , 2021, 8, 2001098.	5.6	35
10	Ultrathin, Ultra-Conformable, and Free-Standing Tattooable Organic Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2021, 7, 2001145.	2.6	19
11	Thermally Switchable Electrically Conductive Thermoset rGO/PK Self-Healing Composites. <i>Polymers</i> , 2021, 13, 339.	2.0	13
12	Toward the Use of Temporary Tattoo Electrodes for Impedance Metric Respiration Monitoring and Other Electrophysiological Recordings on Skin. <i>Sensors</i> , 2021, 21, 1197.	2.1	20
13	Engineering Microneedle Patches for Improved Penetration: Analysis, Skin Models and Factors Affecting Needle Insertion. <i>Nano-Micro Letters</i> , 2021, 13, 93.	14.4	151
14	3D and 4D printing in dentistry and maxillofacial surgery: Printing techniques, materials, and applications. <i>Acta Biomaterialia</i> , 2021, 122, 26-49.	4.1	175
15	Injectable hyaluronic acid-based antibacterial hydrogel adorned with biogenically synthesized AgNPs-decorated multi-walled carbon nanotubes. <i>Progress in Biomaterials</i> , 2021, 10, 77-89.	1.8	14
16	Two-step MEMS microfabrication via 3D direct laser lithography. , 2021, , .		7
17	Ultraconformable, Self-Adhering Surface Electrodes for Measuring Electrical Signals in Plants. <i>Advanced Materials Technologies</i> , 2021, 6, 2001182.	3.0	15
18	Organic Electronics: Ultraconformable, Self-Adhering Surface Electrodes for Measuring Electrical Signals in Plants ( <i>Adv. Mater. Technol.</i> 4/2021). <i>Advanced Materials Technologies</i> , 2021, 6, 2170024.	3.0	0

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19	Recent advances in bioprinting technologies for engineering hepatic tissue. <i>Materials Science and Engineering C</i> , 2021, 123, 112013.	3.8	26
20	Stimuli-responsive transdermal microneedle patches. <i>Materials Today</i> , 2021, 47, 206-222.	8.3	129
21	Antimicrobial Ionic Liquid-Based Materials for Biomedical Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2104148.	7.8	116
22	Non-spherical nanostructures in nanomedicine: From noble metal nanorods to transition metal dichalcogenide nanosheets. <i>Applied Materials Today</i> , 2021, 24, 101107.	2.3	16
23	A Simple Approach for Flexible and Stretchable Anti-icing Lubricant-Infused Tape. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 45105-45115.	4.0	9
24	Electroconductive multi-functional polypyrrole composites for biomedical applications. <i>Applied Materials Today</i> , 2021, 24, 101117.	2.3	49
25	Continuous wave vertical emission from terahertz microcavity lasers with a dual injection scheme. <i>Optics Express</i> , 2021, 29, 33602.	1.7	0
26	Endocytosis of abiotic nanomaterials and nanobiovectors: Inhibition of membrane trafficking. <i>Nano Today</i> , 2021, 40, 101279.	6.2	69
27	Conformable on-skin devices for thermo-electro-tactile stimulation: materials, design, and fabrication. <i>Materials Advances</i> , 2021, 2, 1787-1820.	2.6	13
28	Molecular Rotors with Aggregation-Induced Emission (AIE) as Fluorescent Probes for the Control of Polyurethane Synthesis. <i>Chemosensors</i> , 2021, 9, 3.	1.8	7
29	Antimicrobial Ionic Liquid-Based Materials for Biomedical Applications ( <i>Adv. Funct. Mater.</i> 42/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170312.	7.8	3
30	A sub-150-nanometre-thick and ultraconformable solution-processed all-organic transistor. <i>Nature Communications</i> , 2021, 12, 5842.	5.8	34
31	Light-induced capacitance switching in spiropyran-based capacitors. <i>Sensors and Actuators A: Physical</i> , 2020, 302, 111804.	2.0	3
32	Enhanced In Vitro Magnetic Cell Targeting of Doxorubicin-Loaded Magnetic Liposomes for Localized Cancer Therapy. <i>Nanomaterials</i> , 2020, 10, 2104.	1.9	11
33	pH-Responsive Polyketone/5,10,15,20-Tetrakis-(Sulfonatophenyl)Porphyrin Supramolecular Submicron Colloidal Structures. <i>Polymers</i> , 2020, 12, 2017.	2.0	3
34	Chemical and Temperature Sensors Based on Functionalized Reduced Graphene Oxide. <i>Chemosensors</i> , 2020, 8, 43.	1.8	5
35	A 13.56 MHz Rectifier Based on Fully Inkjet Printed Organic Diodes. <i>Advanced Materials</i> , 2020, 32, e2002329.	11.1	31
36	Electrically-Conductive Polyketone Nanocomposites Based on Reduced Graphene Oxide. <i>Polymers</i> , 2020, 12, 923.	2.0	11

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37	Functional Materials for Two-Photon Polymerization in Microfabrication. <i>Small</i> , 2019, 15, e1902687.	5.2	141
38	Effects of cerium oxide nanoparticles on hemostasis: Coagulation, platelets, and vascular endothelial cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1551-1562.	2.1	28
39	Tattoo-Paper Transfer as a Versatile Platform for All-Printed Organic Edible Electronics. <i>Advanced Materials</i> , 2018, 30, e1706091.	11.1	92
40	Biomedicine: A 3D Real-Scale, Biomimetic, and Biohybrid Model of the Blood-Brain Barrier Fabricated through Two-Photon Lithography ( <i>Small</i> 6/2018). <i>Small</i> , 2018, 14, 1870024.	5.2	3
41	Tattoo-Like Transferable Hole Selective Electrodes for Highly Efficient, Solution-Processed Organic Indoor Photovoltaics. <i>Advanced Electronic Materials</i> , 2018, 4, 1700325.	2.6	19
42	Assessment of the Effects of a Wireless Neural Stimulation Mediated by Piezoelectric Nanoparticles. <i>Neuroinformatics</i> , 2018, , 109-120.	0.2	0
43	Ultraconformable Temporary Tattoo Electrodes for Electrophysiology. <i>Advanced Science</i> , 2018, 5, 1700771.	5.6	136
44	Ultrasound-activated piezoelectric P(VDF-TrFE)/boron nitride nanotube composite films promote differentiation of human SaOS-2 osteoblast-like cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2421-2432.	1.7	69
45	Approximating gecko setae via direct laser lithography. <i>Smart Materials and Structures</i> , 2018, 27, 075009.	1.8	16
46	A 3D Real-Scale, Biomimetic, and Biohybrid Model of the Blood-Brain Barrier Fabricated through Two-Photon Lithography. <i>Small</i> , 2018, 14, 1702959.	5.2	104
47	Natural Triboelectric Generators: Energy Conversion at the Cuticle of Living Plants ( <i>Adv. Funct. Mater.</i> )	7.8	49
48	Energy Conversion at the Cuticle of Living Plants. <i>Advanced Functional Materials</i> , 2018, 28, 1806689.	7.8	49
49	Toward Growing Robots: A Historical Evolution from Cellular to Plant-Inspired Robotics. <i>Frontiers in Robotics and AI</i> , 2018, 5, 16.	2.0	51
50	Ultraconformable Freestanding Capacitors Based on Ultrathin Polyvinyl Formal Films. <i>Advanced Electronic Materials</i> , 2018, 4, 1800215.	2.6	10
51	An efficient soil penetration strategy for explorative robots inspired by plant root circumnutation movements. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 015003.	1.5	33
52	Gold Nanoshell-Mediated Remote Myotube Activation. <i>ACS Nano</i> , 2017, 11, 2494-2508.	7.3	69
53	Ionic Strength Responsive Sulfonated Polystyrene Opals. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4818-4827.	4.0	34
54	A plant-inspired robot with soft differential bending capabilities. <i>Bioinspiration and Biomimetics</i> , 2017, 12, 015001.	1.5	60

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55	Plasmonic/magnetic nanocomposites: Gold nanorods-functionalized silica coated magnetic nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2017, 502, 201-209.	5.0	35
56	Ultra-conformable Organic Field-Effect Transistors and circuits for epidermal electronic applications. <i>Organic Electronics</i> , 2017, 46, 60-67.	1.4	44
57	NMR Relaxometric Properties of SPION-Loaded Solid Lipid Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 823-829.	1.5	10
58	Cerium oxide nanoparticles: the regenerative redox machine in bioenergetic imbalance. <i>Nanomedicine</i> , 2017, 12, 403-416.	1.7	49
59	Piezoelectric nanotransducers: The future of neural stimulation. <i>Nano Today</i> , 2017, 14, 9-12.	6.2	76
60	Time- and Solvent-Dependent Self-Assembly of Photochromic Crystallites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24245-24251.	1.5	2
61	Towards ultra-responsive biodegradable polysaccharide humidity sensors. <i>Materials Today Chemistry</i> , 2017, 6, 1-12.	1.7	18
62	On the injectability of free-standing magnetic nanofilms. <i>Biomedical Microdevices</i> , 2017, 19, 51.	1.4	8
63	Mitochondria and neurodegenerative diseases: the promising role of nanotechnology in targeted drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 513-523.	2.4	26
64	Gelatin/nanoceria nanocomposite fibers as antioxidant scaffolds for neuronal regeneration. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 386-395.	1.1	69
65	Air Trapping Mechanism in Artificial Salvinia-Like Micro-Hairs Fabricated via Direct Laser Lithography. <i>Micromachines</i> , 2017, 8, 366.	1.4	8
66	Dry Adhesion of Artificial Gecko Setae Fabricated via Direct Laser Lithography. <i>Lecture Notes in Computer Science</i> , 2017, , 631-636.	1.0	6
67	Hypergravity As a Tool for Cell Stimulation: Implications in Biomedicine. <i>Frontiers in Astronomy and Space Sciences</i> , 2016, 3, .	1.1	17
68	P(VDFâ€¦TrFE)/BaTiO <sub>3</sub> Nanoparticle Composite Films Mediate Piezoelectric Stimulation and Promote Differentiation of SHâ€¦Y5Y Neuroblastoma Cells. <i>Advanced Healthcare Materials</i> , 2016, 5, 1808-1820.	3.9	129
69	Circumnutations as a penetration strategy in a plant-root-inspired robot. , 2016, , .		33
70	Back Cover: Plasma Process. <i>Polym. 12âˆ•2016. Plasma Processes and Polymers</i> , 2016, 13, 1250-1250.	1.6	0
71	Barium titanate nanoparticles: promising multitasking vectors in nanomedicine. <i>Nanotechnology</i> , 2016, 27, 232001.	1.3	78
72	Three-Dimensional Soft Material Micropatterning via Direct Laser Lithography of Flexible Molds. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25019-25023.	4.0	23

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73	Generation soft. Nature, 2016, 536, 400-401.	13.7	28
74	Plasma assisted deposition of free-standing nanofilms for biomedical applications. Plasma Processes and Polymers, 2016, 13, 1224-1229.	1.6	9
75	Pectin-coated boron nitride nanotubes: In vitro cyto-/immune-compatibility on RAW 264.7 macrophages. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 775-784.	1.1	34
76	Self sufficient wireless transmitter powered by foot-pumped urine operating wearable MFC. Bioinspiration and Biomimetics, 2016, 11, 016001.	1.5	22
77	Titanium dioxide nanotube arrays coated with laminin enhance C2C12 skeletal myoblast adhesion and differentiation. RSC Advances, 2016, 6, 18502-18514.	1.7	7
78	Femtosecond-Laser-Pulse Characterization and Optimization for CARS Microscopy. PLoS ONE, 2016, 11, e0156371.	1.1	6
79	Modulation of cellular responses: The two-photon polymerization approach in the control of the physical micro/nanoenvironment. , 2015, 2015, 1865-8.		0
80	Rapid and Controllable Digital Microfluidic Heating by Surface Acoustic Waves. Advanced Functional Materials, 2015, 25, 5895-5901.	7.8	88
81	Active Targeting of Sorafenib: Preparation, Characterization, and In Vitro Testing of Drug-Loaded Magnetic Solid Lipid Nanoparticles. Advanced Healthcare Materials, 2015, 4, 1681-1690.	3.9	81
82	Barium titanate nanoparticles and hypergravity stimulation improve differentiation of mesenchymal stem cells into osteoblasts. International Journal of Nanomedicine, 2015, 10, 433.	3.3	32
83	Hypergravity Stimulation Enhances PC12 Neuron-Like Cell Differentiation. BioMed Research International, 2015, 2015, 1-10.	0.9	30
84	Pilot in vivo investigation of cerium oxide nanoparticles as a novel anti-obesity pharmaceutical formulation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1725-1734.	1.7	77
85	Tattoo Conductive Polymer Nanosheets for Skin-Contact Applications. Advanced Healthcare Materials, 2015, 4, 983-990.	3.9	79
86	Evaluation of the effects of boron nitride nanotubes functionalized with gum arabic on the differentiation of rat mesenchymal stem cells. RSC Advances, 2015, 5, 45431-45438.	1.7	17
87	Drug Targeting: Active Targeting of Sorafenib: Preparation, Characterization, and In Vitro Testing of Drug-Loaded Magnetic Solid Lipid Nanoparticles (Adv. Healthcare Mater. 11/2015). Advanced Healthcare Materials, 2015, 4, 1734-1734.	3.9	1
88	3D Micropatterned Surface Inspired by <i>Salvinia molesta</i> via Direct Laser Lithography. ACS Applied Materials & Interfaces, 2015, 7, 25560-25567.	4.0	103
89	Two-Photon Lithography of 3D Nanocomposite Piezoelectric Scaffolds for Cell Stimulation. ACS Applied Materials & Interfaces, 2015, 7, 25574-25579.	4.0	113
90	Folate-grafted boron nitride nanotubes: Possible exploitation in cancer therapy. International Journal of Pharmaceutics, 2015, 481, 56-63.	2.6	48

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91	Toward a New Generation of Electrically Controllable Hygromorphic Soft Actuators. <i>Advanced Materials</i> , 2015, 27, 1668-1675.	11.1	267
92	Triboelectric smart machine elements and self-powered encoder. <i>Nano Energy</i> , 2015, 13, 92-102.	8.2	17
93	Electrically responsive photonic crystals: a review. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8449-8467.	2.7	116
94	Piezoelectric Nanoparticle-Assisted Wireless Neuronal Stimulation. <i>ACS Nano</i> , 2015, 9, 7678-7689.	7.3	236
95	A soft, stretchable and conductive biointerface for cell mechanobiology. <i>Biomedical Microdevices</i> , 2015, 17, 46.	1.4	17
96	<i>In vivo</i> biocompatibility of boron nitride nanotubes: Effects on stem cell biology and tissue regeneration in planarians. <i>Nanomedicine</i> , 2015, 10, 1911-1922.	1.7	85
97	Roll to roll processing of ultraconformable conducting polymer nanosheets. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6539-6548.	2.7	68
98	Conducting Shrinkable Nanocomposite Based on Au-Nanoparticle Implanted Plastic Sheet: Tunable Thermally Induced Surface Wrinkling. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7060-7065.	4.0	33
99	Radial growth of plasmon coupled gold nanowires on colloidal templates. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 87-91.	5.0	7
100	Biomimicry at the nanoscale: current research and perspectives of two-photon polymerization. <i>Nanoscale</i> , 2015, 7, 2841-2850.	2.8	77
101	Boron nitride nanotube-functionalised myoblast/microfibre constructs: a nanotech-assisted tissue-engineered platform for muscle stimulation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 847-851.	1.3	18
102	PC12 neuron-like cell response to electrospun poly( $\alpha$ -3-hydroxybutyrate) substrates. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 151-161.	1.3	30
103	Plants as Model in Biomimetics and Biorobotics: New Perspectives. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 2.	2.0	65
104	The potential of recombinant human elastin-like polypeptides for drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1507-1512.	2.4	17
105	Recombinant Human Elastin-like Magnetic Microparticles for Drug Delivery and Targeting. <i>Macromolecular Bioscience</i> , 2014, 14, 632-642.	2.1	17
106	Flexible Three-Axial Force Sensor for Soft and Highly Sensitive Artificial Touch. <i>Advanced Materials</i> , 2014, 26, 2659-2664.	11.1	383
107	Influence of nanoparticle-embedded polymeric surfaces on cellular adhesion, proliferation, and differentiation. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2652-2661.	2.1	18
108	Boron nitride nanotube-mediated stimulation modulates F/G-actin ratio and mechanical properties of human dermal fibroblasts. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	17

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109	Cerium Oxide Nanoparticles Inhibit Adipogenesis in Rat Mesenchymal Stem Cells: Potential Therapeutic Implications. <i>Pharmaceutical Research</i> , 2014, 31, 2952-2962.	1.7	38
110	Transcriptional profile of genes involved in oxidative stress and antioxidant defense in PC12 cells following treatment with cerium oxide nanoparticles. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 495-506.	1.1	69
111	High Performance, Totally Flexible, Tubular Microbial Fuel Cell. <i>ChemElectroChem</i> , 2014, 1, 1994-1999.	1.7	21
112	A Novel Soft Metal-Polymer Composite for Multidirectional Pressure Energy Harvesting. <i>Advanced Energy Materials</i> , 2014, 4, 1400024.	10.2	30
113	Hierarchical multiple peeling simulations. <i>RSC Advances</i> , 2014, 4, 25447-25452.	1.7	18
114	Nanostructured Brownian Surfaces Prepared through Two-Photon Polymerization: Investigation of Stem Cell Response. <i>ACS Nano</i> , 2014, 8, 11869-11882.	7.3	27
115	Triboelectric-based harvesting of gas flow energy and powerless sensing applications. <i>Applied Surface Science</i> , 2014, 323, 82-87.	3.1	25
116	NMR Relaxation Enhancement of Water Protons by Gd-Doped Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6473-6479.	1.5	4
117	Gold Nanoshell/Polysaccharide Nanofilm for Controlled Laser-Assisted Tissue Thermal Ablation. <i>ACS Nano</i> , 2014, 8, 5552-5563.	7.3	30
118	Cytocompatibility evaluation of gum Arabic-coated ultra-pure boron nitride nanotubes on human cells. <i>Nanomedicine</i> , 2014, 9, 773-788.	1.7	61
119	Emerging Technologies Inspired by Plants. , 2014, , 111-132.		4
120	The Osteoprint: A bioinspired two-photon polymerized 3-D structure for the enhancement of bone-like cell differentiation. <i>Acta Biomaterialia</i> , 2014, 10, 4304-4313.	4.1	92
121	Wearable Self Sufficient MFC Communication System Powered by Urine. <i>Lecture Notes in Computer Science</i> , 2014, , 131-138.	1.0	4
122	Synthesizing tubular and trapezoidal shaped ZnO nanowires by an aqueous solution method. <i>Nanoscale</i> , 2013, 5, 3505.	2.8	12
123	Osmotic actuation modelling for innovative biorobotic solutions inspired by the plant kingdom. <i>Bioinspiration and Biomimetics</i> , 2013, 8, 025002.	1.5	28
124	PMMA/Polysaccharides Nanofilm Loaded with Adenosine Deaminase Inhibitor for Targeted Anti-inflammatory Drug Delivery. <i>Langmuir</i> , 2013, 29, 13190-13197.	1.6	32
125	Boron nitride nanotubes and primary human osteoblasts: <i>in vitro</i> compatibility and biological interactions under low frequency ultrasound stimulation. <i>Nanotechnology</i> , 2013, 24, 465102.	1.3	40
126	Patterned Free-Standing Conductive Nanofilms for Ultraconformable Circuits and Smart Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9461-9469.	4.0	35



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127	Liquid single crystal elastomer/conducting polymer bilayer composite actuator: modelling and experiments. <i>Soft Matter</i> , 2013, 9, 11405.	1.2	42
128	Bio/non-bio interfaces: A straightforward method for obtaining long term PDMS/muscle cell biohybrid constructs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 144-151.	2.5	31
129	Microwrinkled Conducting Polymer Interface for Anisotropic Multicellular Alignment. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 573-584.	4.0	106
130	Boron Nitride Nanotubes: Biocompatibility and Potential Spillâ€Over in Nanomedicine. <i>Small</i> , 2013, 9, 1672-1685.	5.2	186
131	Human recombinant elastin-like protein coatings for muscle cell proliferation and differentiation. <i>Acta Biomaterialia</i> , 2013, 9, 5111-5121.	4.1	25
132	Biocompatibility of boron nitride nanotubes: An up-date of in vivo toxicological investigation. <i>International Journal of Pharmaceutics</i> , 2013, 444, 85-88.	2.6	94
133	Cytocompatibility evaluation of glycol-chitosan coated boron nitride nanotubes in human endothelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 142-149.	2.5	45
134	Characterization of Free-Standing PEDOT:PSS/Iron Oxide Nanoparticle Composite Thin Films and Application As Conformable Humidity Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6324-6332.	4.0	106
135	Effects of Cerium Oxide Nanoparticles on PC12 Neuronal-Like Cells: Proliferation, Differentiation, and Dopamine Secretion. <i>Pharmaceutical Research</i> , 2013, 30, 2133-2145.	1.7	90
136	Effects of barium titanate nanoparticles on proliferation and differentiation of rat mesenchymal stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 312-320.	2.5	93
137	Thin film free-standing PEDOT:PSS/SU8 bilayer microactuators. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 117004.	1.5	29
138	Two-Photon Polymerization of Sub-micrometric Patterned Surfaces: Investigation of Cell-Substrate Interactions and Improved Differentiation of Neuron-like Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 13012-13021.	4.0	90
139	Soft, Stretchable and Conductive Biointerfaces for Bio-hybrid Tactile Sensing Investigation. <i>Lecture Notes in Computer Science</i> , 2013, , 353-355.	1.0	2
140	Nanoscaffolds for Guided Cardiac Repair: The New Therapeutic Challenge of Regenerative Medicine. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-16.	1.5	9
141	Free-Standing PEDOT:PSS/PLA Bilayer Nanosheets with Ink-Jet Patterned Microelectrodes: Towards the Development of Ultra-Thin, Conformable, Floating Circuits and Smart Biointerfaces.. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1530, 1.	0.1	1
142	Reversible Heat-Induced Microwrinkling of PEDOT:PSS Nanofilm Surface Over a Monodomain Liquid Crystal Elastomer. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 572, 40-49.	0.4	12
143	Gd-doped BNNTs as T2-weighted MRI contrast agents. <i>Nanotechnology</i> , 2013, 24, 315101.	1.3	13
144	Boron Nitride Nanotube-Mediated Stimulation of Cell Co-Culture on Micro-Engineered Hydrogels. <i>PLoS ONE</i> , 2013, 8, e71707.	1.1	66

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145	Barium titanate core &ndash; gold shell nanoparticles for hyperthermia treatments. International Journal of Nanomedicine, 2013, 8, 2319.	3.3	24
146	Anisotropic Cellular Alignment on Nano-Wrinkled Polymeric Surface. Materials Research Society Symposia Proceedings, 2012, 1415, 54.	0.1	2
147	Sacrificial Layer and Supporting Layer Techniques for the Fabrication of Ultra-Thin Free-Standing PEDOT:PSS Nanosheets. Materials Research Society Symposia Proceedings, 2012, 1403, 55.	0.1	5
148	Micro and Nanowrinkled Conductive Polymer Surfaces on Shape-memory Polymer Substrates: Tuning of Surface Microfeatures Towards Smart Biointerfaces.. Materials Research Society Symposia Proceedings, 2012, 1411, 13.	0.1	2
149	Bending actuation of a composite liquid crystal elastomer via direct Joule heating. , 2012, , .		2
150	Applications of Piezoelectricity in Nanomedicine. Nanomedicine and Nanotoxicology, 2012, , 213-238.	0.1	7
151	Introduction to Active Smart Materials for Biomedical Applications. Nanomedicine and Nanotoxicology, 2012, , 1-27.	0.1	9
152	Proliferation and skeletal myotube formation capability of C2C12 and H9c2 cells on isotropic and anisotropic electrospun nanofibrous PHB scaffolds. Biomedical Materials (Bristol), 2012, 7, 035010.	1.7	84
153	Transferrin-conjugated boron nitride nanotubes: Protein grafting, characterization, and interaction with human endothelial cells. International Journal of Pharmaceutics, 2012, 436, 444-453.	2.6	47
154	Inkjet printing of protein microarrays on freestanding polymeric nanofilms for spatio-selective cell culture environment. Biomedical Microdevices, 2012, 14, 1069-1076.	1.4	28
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