Eijiro Miyako

List of Publications by Year
in descending order

71 papers	2,615 citations	218677 26 h-index	197818 49 g-index
78 all docs	78 docs citations	78 times ranked	3482 citing authors

#	ARTICLE	IF	CITATIONS
1	Sonication - and Î³-ray-mediated biomolecule-liquid metal nanoparticlization in cancer optotheranostics. Applied Materials Today, 2022, 26, 101302.	4.3	4
2	Nanoengineered <i>Bifidobacterium bifidum</i> with Optical Activity for Photothermal Cancer Immunotheranostics. Nano Letters, 2022, 22, 1880-1888.	9.1	23
3	Gallium-Based Liquid Metal Particles for Therapeutics. Trends in Biotechnology, 2021, 39, 624-640.	9.3	85
4	Carbon nanohorn coating by electrodeposition accelerate bone formation on titanium implant. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 20-29.	2.8	9
5	Optically activatable photosynthetic bacteria-based highly tumor specific immunotheranostics. Nano Today, 2021, 37, 101100.	11.9	16
6	Convergence of Liquid Metal Biotechnologies for Our Health. Accounts of Materials Research, 2021, 2, 858-862.	11.7	10
7	Avengers against cancer: A new era of nano-biomaterial-based therapeutics. Materials Today, 2021, 51, 317-349.	14.2	24
8	Design and Control of Bioinspired Millibots. Advanced Intelligent Systems, 2020, 2, 2070073.	6.1	0
9	Photothermogenetic inhibition of cancer stemness by near-infrared-light-activatable nanocomplexes. Nature Communications, 2020, 11, 4117.	12.8	30
10	InnenrÃ¼cktitelbild: Rational Chemical Multifunctionalization of Graphene Interface Enhances Targeted Cancer Therapy (Angew. Chem. 33/2020). Angewandte Chemie, 2020, 132, 14267-14267.	2.0	0
11	Novel Caffeic Acid Phenethyl Ester-Mortalin Antibody Nanoparticles Offer Enhanced Selective Cytotoxicity to Cancer Cells. Cancers, 2020, 12, 2370.	3.7	20
12	Soap Bubble Pollination. IScience, 2020, 23, 101188.	4.1	18
13	Design and Control of Bioinspired Millibots. Advanced Intelligent Systems, 2020, 2, 2000059.	6.1	0
14	Degradation of the sporopollenin exine capsules (SECs) in human plasma. Applied Materials Today, 2020, 19, 100594.	4.3	7
15	Rational Chemical Multifunctionalization of Graphene Interface Enhances Targeted Cancer Therapy. Angewandte Chemie, 2020, 132, 14138-14143.	2.0	10
16	Rational Chemical Multifunctionalization of Graphene Interface Enhances Targeted Cancer Therapy. Angewandte Chemie - International Edition, 2020, 59, 14034-14039.	13.8	25
17	Multifunctional Cancer Phototherapy Using Fluorophore-Functionalized Nanodiamond Supraparticles. ACS Applied Bio Materials, 2019, 2, 3693-3705.	4.6	13
18	Species-Specific Biodegradation of Sporopollenin-Based Microcapsules. Scientific Reports, 2019, 9, 9626.	3.3	14

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19	Folic Acid Receptor-Mediated Targeting Enhances the Cytotoxicity, Efficacy, and Selectivity of Withania somnifera Leaf Extract: In vitro and in vivo Evidence. Frontiers in Oncology, 2019, 9, 602.	2.8	27
20	Anticancer drug delivery to cancer cells using alkyl amine-functionalized nanodiamond supraparticles. Nanoscale Advances, 2019, 1, 3406-3412.	4.6	15
21	Amphipathic Nanodiamond Supraparticles for Anticancer Drug Loading and Delivery. ACS Applied Materials & Interfaces, 2019, 11, 18978-18987.	8.0	23
22	Microfluidic liquid cell chamber for scanning probe microscopy measurement application. Review of Scientific Instruments, 2019, 90, 046105.	1.3	10
23	Human blood plasma catalyses the degradation of Lycopodium plant sporoderm microcapsules. Scientific Reports, 2019, 9, 2944.	3.3	7
24	Direct Interspecies Electron Transfer Mediated by Graphene Oxide-Based Materials. Frontiers in Microbiology, 2019, 10, 3068.	3.5	28
25	Recent Advances in Liquid Metal Manipulation toward Soft Robotics and Biotechnologies. Chemistry - A European Journal, 2018, 24, 9456-9462.	3.3	41
26	Self-assembled nanodiamond supraparticles for anticancer chemotherapy. Nanoscale, 2018, 10, 8969-8978.	5.6	24
27	Alternating-Magnetic-Field-Mediated Wireless Manipulations of a Liquid Metal for Therapeutic Bioengineering. IScience, 2018, 3, 134-148.	4.1	66
28	Spatially Controlled Molecular Encapsulation in Natural Pine Pollen Microcapsules. Particle and Particle Systems Characterization, 2018, 35, 1800151.	2.3	8
29	Frontispiece: Recent Advances in Liquid Metal Manipulation toward Soft Robotics and Biotechnologies. Chemistry - A European Journal, 2018, 24, .	3.3	0
30	Materially Engineered Artificial Pollinators. CheM, 2017, 2, 224-239.	11.7	45
31	Withaferin-A kills cancer cells with and without telomerase: chemical, computational and experimental evidences. Cell Death and Disease, 2017, 8, e2755-e2755.	6.3	41
32	Light-driven liquid metal nanotransformers for biomedical theranostics. Nature Communications, 2017, 8, 15432.	12.8	327
33	Manipulation of Biomoleculeâ€Modified Liquidâ€Metal Blobs. Angewandte Chemie - International Edition, 2017, 56, 13606-13611.	13.8	56
34	Manipulation of Biomoleculeâ€Modified Liquidâ€Metal Blobs. Angewandte Chemie, 2017, 129, 13794-13799.	2.0	17
35	Lipid Nanotube Tailored Fabrication of Uniquely Shaped Polydopamine Nanofibers as Photothermal Converters. Chemistry - A European Journal, 2016, 22, 4345-4350.	3.3	34
36	Magnetically and Nearâ€Infrared Lightâ€Powered Supramolecular Nanotransporters for the Remote Control of Enzymatic Reactions. Angewandte Chemie, 2016, 128, 6586-6591.	2.0	8

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37	Lightâ€Active Carbon Nanodots from Autoclaved Bioresources. ChemistrySelect, 2016, 1, 608-611.	1.5	3
38	Bioinspired Polyanilineâ€Functional Natural Hairs for Pollen Protection. ChemistrySelect, 2016, 1, 1061-1065.	1.5	1
39	Optical Regulation of Carbon Nanodots by Chemical Functionalization. Chemistry Letters, 2016, 45, 854-856.	1.3	3
40	Semiconducting Polymer Nanobioconjugates for Targeted Photothermal Activation of Neurons. Journal of the American Chemical Society, 2016, 138, 9049-9052.	13.7	404
41	Photothermal and mechanical stimulation of cells via dualfunctional nanohybrids. Nanotechnology, 2016, 27, 475102.	2.6	6
42	Magnetically and Nearâ€Infrared Lightâ€Powered Supramolecular Nanotransporters for the Remote Control of Enzymatic Reactions. Angewandte Chemie - International Edition, 2016, 55, 6476-6481.	13.8	26
43	Carbon nanohorns allow acceleration of osteoblast differentiation<i>via</i>macrophage activation. Nanoscale, 2016, 8, 14514-14522.	5.6	27
44	Physicochemically functionalized carbon nanohorns for multi-dimensional cancer elimination. Carbon, 2016, 97, 45-53.	10.3	20
45	Preparation of small-sized graphene oxide sheets and their biological applications. Journal of Materials Chemistry B, 2016, 4, 121-127.	5.8	26
46	Design, synthesis, characterization and properties of magnetic nanoparticleâ€"nanocarbon hybrids. Carbon, 2016, 96, 49-56.	10.3	13
47	In Vivo Remote Control of Reactions in <i>Caenorhabditis elegans</i> by Using Supramolecular Nanohybrids of Carbon Nanotubes and Liposomes. Angewandte Chemie - International Edition, 2015, 54, 9903-9906.	13.8	17
48	Multifunctional Carbon Nanohorn Complexes for Cancer Treatment. Chemistry - an Asian Journal, 2015, 10, 160-165.	3.3	21
49	Photofunctional Nanomodulators for Bioexcitation. Angewandte Chemie - International Edition, 2014, 53, 13121-13125.	13.8	72
50	Lysosomal membrane permeabilization: Carbon nanohorn-induced reactive oxygen species generation and toxicity by this neglected mechanism. Toxicology and Applied Pharmacology, 2014, 280, 117-126.	2.8	46
51	Self-Assembled Carbon Nanotube Honeycomb Networks Using a Butterfly Wing Template as a Multifunctional Nanobiohybrid. ACS Nano, 2013, 7, 8736-8742.	14.6	40
52	Evaluation of the biological influence of a stable carbon nanohorn dispersion. Carbon, 2013, 54, 155-167.	10.3	16
53	Carbon nanotubeâ€"liposome supramolecular nanotrains for intelligent molecular-transport systems. Nature Communications, 2012, 3, 1226.	12.8	68
54	Photothermic regulation of gene expression triggered by laser-induced carbon nanohorns. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7523-7528.	7.1	96

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55	A Photoâ€Thermalâ€Electrical Converter Based On Carbon Nanotubes for Bioelectronic Applications. Angewandte Chemie - International Edition, 2011, 50, 12266-12270.	13.8	46
56	Micropatterned Carbon Nanotubeâ€"Gel Composite as Photothermal Material. Advanced Materials, 2009, 21, 2819-2823.	21.0	21
57	Ionic Liquids on Photoinduced Nanotube Composite Arrays as a Reaction Medium. Chemistry - A European Journal, 2009, 15, 7520-7525.	3.3	8
58	Lightâ€Triggered Thermoelectric Conversion Based on a Carbon Nanotubeâ€"Polymer Hybrid Gel. ChemSusChem, 2009, 2, 419-422.	6.8	12
59	Lightâ€Driven Thermoelectric Conversion Based on a Carbon Nanotubeâ€"Ionic Liquid Gel Composite. ChemSusChem, 2009, 2, 740-742.	6.8	18
60	Laser-triggered carbon nanotube microdevice for remote control of biocatalytic reactions. Lab on A Chip, 2009, 9, 788-794.	6.0	23
61	Photodynamic Thermoresponsive Nanocarbonâ€"Polymer Gel Hybrids. Small, 2008, 4, 1711-1715.	10.0	47
62	Carbon Nanotubeâ€"Polymer Composite for Lightâ€Driven Microthermal Control. Angewandte Chemie - International Edition, 2008, 47, 3610-3613.	13.8	45
63	Photodynamic release of fullerenes from within carbon nanohorn. Chemical Physics Letters, 2008, 456, 220-222.	2.6	20
64	Photoinduced antiviral carbon nanohorns. Nanotechnology, 2008, 19, 075106.	2.6	52
65	Near-infrared laser-triggered carbon nanohorns for selective elimination of microbes. Nanotechnology, 2007, 18, 475103.	2.6	57
66	Optical Resolution of Various Amino Acids Using a Supported Liquid Membrane Encapsulating a Surfactantâˆ'Protease Complex. Langmuir, 2005, 21, 4674-4679.	3.5	9
67	A Supported Liquid Membrane Encapsulating a Surfactant-Lipase Complex for the Selective Separation of Organic Acids. Chemistry - A European Journal, 2005, 11, 1163-1170.	3.3	16
68	Highly Enantioselective Separation Using a Supported Liquid Membrane Encapsulating Surfactantâˆ'Enzyme Complex. Journal of the American Chemical Society, 2004, 126, 8622-8623.	13.7	44
69	Use of ionic liquids in a lipase-facilitated supported liquid membrane. Biotechnology Letters, 2003, 25, 805-808.	2.2	62
70	Transport of organic acids through a supported liquid membrane driven by lipase-catalyzed reactions. Journal of Bioscience and Bioengineering, 2003, 96, 370-374.	2.2	21
71	Enzyme-facilitated enantioselective transport of (S)-ibuprofen through a supported liquid membrane based on ionic liquids. Chemical Communications, 2003, , 2926.	4.1	79