

Alessandro Cecconello

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,787
citations

218677

26
h-index

315739

38
g-index

39
all docs

39
docs citations

39
times ranked

3530
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-Responsive Stimulated DNA Hydrogels Exhibiting Shape-Memory Properties. <i>Advanced Materials</i> , 2015, 27, 73-78.	21.0	328
2	Triplex DNA Nanostructures: From Basic Properties to Applications. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15210-15233.	13.8	257
3	Stimuli-Responsive Nucleic Acid-Based Polyacrylamide Hydrogel-Coated Metal-Organic Framework Nanoparticles for Controlled Drug Release. <i>Advanced Functional Materials</i> , 2018, 28, 1705137.	14.9	201
4	Stimuli-responsive nucleic acid-functionalized metal-organic framework nanoparticles using pH- and metal-ion-dependent DNAzymes as locks. <i>Chemical Science</i> , 2017, 8, 5769-5780.	7.4	176
5	ATP-Responsive Aptamer-Based Metal-Organic Framework Nanoparticles (NMOFs) for the Controlled Release of Loads and Drugs. <i>Advanced Functional Materials</i> , 2017, 27, 1702102.	14.9	169
6	Integration of Switchable DNA-Based Hydrogels with Surfaces by the Hybridization Chain Reaction. <i>Nano Letters</i> , 2015, 15, 7773-7778.	9.1	138
7	Cu ²⁺ -Modified Metal-Organic Framework Nanoparticles: A Peroxidase-Mimicking Nanoenzyme. <i>Small</i> , 2018, 14, 1703149.	10.0	131
8	Powering the programmed nanostructure and function of gold nanoparticles with catenated DNA machines. <i>Nature Communications</i> , 2013, 4, 2000.	12.8	127
9	Chiroplasmonic DNA-based nanostructures. <i>Nature Reviews Materials</i> , 2017, 2, .	48.7	120
10	Mimicking Peroxidase Activities with Prussian Blue Nanoparticles and Their Cyanometalate Structural Analogues. <i>Nano Letters</i> , 2017, 17, 4958-4963.	9.1	106
11	A Three-Station DNA Catenane Rotary Motor with Controlled Directionality. <i>Nano Letters</i> , 2013, 13, 2303-2308.	9.1	103
12	Recent Advances in the Synthesis and Functions of Reconfigurable Interlocked DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2016, 138, 5172-5185.	13.7	88
13	The Application of Stimuli-Responsive VEGF- and ATP-Aptamer-Based Microcapsules for the Controlled Release of an Anticancer Drug, and the Selective Targeted Cytotoxicity toward Cancer Cells. <i>Advanced Functional Materials</i> , 2016, 26, 4262-4273.	14.9	83
14	Targeted VEGF-triggered release of an anti-cancer drug from aptamer-functionalized metal-organic framework nanoparticles. <i>Nanoscale</i> , 2018, 10, 4650-4657.	5.6	70
15	Controlling the Catalytic Functions of DNAzymes within Constitutional Dynamic Networks of DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2017, 139, 9662-9671.	13.7	64
16	Metal Nanoparticle-Functionalized DNA Tweezers: From Mechanically Programmed Nanostructures to Switchable Fluorescence Properties. <i>Nano Letters</i> , 2013, 13, 3791-3795.	9.1	63
17	Dual Switchable CRET-Induced Luminescence of CdSe/ZnS Quantum Dots (QDs) by the Hemin/G-Quadruplex-Bridged Aggregation and Deaggregation of Two-Sized QDs. <i>Nano Letters</i> , 2014, 14, 6030-6035.	9.1	62
18	Switchable Reconfiguration of an Interlocked DNA Olympiadane Nanostructure. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7499-7503.	13.8	59

#	ARTICLE	IF	CITATIONS
19	Au Nanoparticle/DNA Rotaxane Hybrid Nanostructures Exhibiting Switchable Fluorescence Properties. <i>Nano Letters</i> , 2013, 13, 6275-6280.	9.1	51
20	Switchable Reconfiguration of a Seven-Ring Interlocked DNA Catenane Nanostructure. <i>Nano Letters</i> , 2015, 15, 7133-7137.	9.1	45
21	DNA Scaffolds for the Dictated Assembly of Left-/Right-Handed Plasmonic Au NP Helices with Programmed Chiro-Optical Properties. <i>Journal of the American Chemical Society</i> , 2016, 138, 9895-9901.	13.7	45
22	Triplexâ€DNAâ€Nanostrukturen: von grundlegenden Eigenschaften zu Anwendungen. <i>Angewandte Chemie</i> , 2017, 129, 15410-15434.	2.0	42
23	Orthogonal Operation of Constitutional Dynamic Networks Consisting of DNA-Tweezer Machines. <i>ACS Nano</i> , 2017, 11, 12027-12036.	14.6	42
24	Orthogonal Dualâ€Triggered Shapeâ€Memory DNAâ€Based Hydrogels. <i>Chemistry - A European Journal</i> , 2016, 22, 14504-14507.	3.3	30
25	Helquat-Induced Chiroselective Aggregation of Au NPs. <i>Nano Letters</i> , 2012, 12, 5835-5839.	9.1	26
26	Coherent electronic and nuclear dynamics in a rhodamine heterodimerâ€DNA supramolecular complex. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23043-23051.	2.8	24
27	Tuning the Coupling in Singleâ€Molecule Heterostructures: DNAâ€Programmed and Reconfigurable Carbon Nanotubeâ€Based Nanohybrids. <i>Advanced Science</i> , 2018, 5, 1800596.	11.2	24
28	A two-ring interlocked DNA catenane rotor undergoing switchable transitions across three states. <i>Chemical Communications</i> , 2014, 50, 4717-4720.	4.1	15
29	Controlling Chirality across Length Scales using DNA. <i>Small</i> , 2019, 15, e1805419.	10.0	15
30	DNA-Powered Stimuli-Responsive Single-Walled Carbon Nanotube Junctions. <i>Chemistry of Materials</i> , 2019, 31, 1537-1542.	6.7	15
31	Metal Nanoparticleâ€Loaded Mesoporous Carbon Nanoparticles: Electrical Contacting of Redox Proteins and Electrochemical Sensing Applications. <i>Electroanalysis</i> , 2015, 27, 2150-2157.	2.9	13
32	Drug Carriers: Stimuliâ€Responsive Nucleic Acidâ€Based Polyacrylamide Hydrogelâ€Coated Metalâ€Organic Framework Nanoparticles for Controlled Drug Release (<i>Adv. Funct. Mater.</i> 8/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870053.	14.9	10
33	Toward the Specificity of Bare Nanomaterial Surfaces for Protein Corona Formation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7625.	4.1	8
34	Electrostatically stabilized hybrids of carbon and maghemite nanoparticles: electrochemical study and application. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11668-11677.	2.8	5
35	DNA-driven dynamic assembly of MoS ₂ nanosheets. <i>Faraday Discussions</i> , 2021, 227, 233-244.	3.2	3
36	Drug Delivery: ATPâ€Responsive Aptamerâ€Based Metalâ€Organic Framework Nanoparticles (NMOFs) for the Controlled Release of Loads and Drugs (<i>Adv. Funct. Mater.</i> 37/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	2

#	ARTICLE	IF	CITATIONS
37	Drug Delivery: The Application of Stimuli-Responsive VEGF- and ATP-Aptamer-Based Microcapsules for the Controlled Release of an Anticancer Drug, and the Selective Targeted Cytotoxicity toward Cancer Cells (Adv. Funct. Mater. 24/2016). Advanced Functional Materials, 2016, 26, 4423-4423.	14.9	1
38	Electronic coherences in rhodamine dimers: vibronic coupling and distance dependence. , 2016, , .		0