

Alessandro Cecconello

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5781836/publications.pdf>

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	DNA-driven dynamic assembly of MoS ₂ nanosheets. Faraday Discussions, 2021, 227, 233-244.	3.2	3
2	Toward the Specificity of Bare Nanomaterial Surfaces for Protein Corona Formation. International Journal of Molecular Sciences, 2021, 22, 7625.	4.1	8
3	Controlling Chirality across Length Scales using DNA. Small, 2019, 15, e1805419.	10.0	15
4	DNA-Powered Stimuli-Responsive Single-Walled Carbon Nanotube Junctions. Chemistry of Materials, 2019, 31, 1537-1542.	6.7	15
5	Drug Carriers: Stimuli-Responsive Nucleic Acid-Based Polyacrylamide Hydrogel-Coated Metal-Organic Framework Nanoparticles for Controlled Drug Release (Adv. Funct. Mater. 8/2018). Advanced Functional Materials, 2018, 28, 1870053.	14.9	10
6	Targeted VEGF-triggered release of an anti-cancer drug from aptamer-functionalized metal-organic framework nanoparticles. Nanoscale, 2018, 10, 4650-4657.	5.6	70
7	Stimuli-Responsive Nucleic Acid-Based Polyacrylamide Hydrogel-Coated Metal-Organic Framework Nanoparticles for Controlled Drug Release. Advanced Functional Materials, 2018, 28, 1705137.	14.9	201
8	Cu ²⁺ -Modified Metal-Organic Framework Nanoparticles: A Peroxidase-Mimicking Nanoenzyme. Small, 2018, 14, 1703149.	10.0	131
9	Tuning the Coupling in Single-Molecule Heterostructures: DNA-Programmed and Reconfigurable Carbon Nanotube-Based Nanohybrids. Advanced Science, 2018, 5, 1800596.	11.2	24
10	Electrostatically stabilized hybrids of carbon and maghemite nanoparticles: electrochemical study and application. Physical Chemistry Chemical Physics, 2017, 19, 11668-11677.	2.8	5
11	Triplex-DNA Nanostrukturen: von grundlegenden Eigenschaften zu Anwendungen. Angewandte Chemie, 2017, 129, 15410-15434.	2.0	42
12	Triplex DNA Nanostructures: From Basic Properties to Applications. Angewandte Chemie - International Edition, 2017, 56, 15210-15233.	13.8	257
13	Controlling the Catalytic Functions of DNAzymes within Constitutional Dynamic Networks of DNA Nanostructures. Journal of the American Chemical Society, 2017, 139, 9662-9671.	13.7	64
14	Drug Delivery: ATP-Responsive Aptamer-Based Metal-Organic Framework Nanoparticles (NMOFs) for the Controlled Release of Loads and Drugs (Adv. Funct. Mater. 37/2017). Advanced Functional Materials, 2017, 27, .	14.9	2
15	ATP-Responsive Aptamer-Based Metal-Organic Framework Nanoparticles (NMOFs) for the Controlled Release of Loads and Drugs. Advanced Functional Materials, 2017, 27, 1702102.	14.9	169
16	Chiroplasmonic DNA-based nanostructures. Nature Reviews Materials, 2017, 2, .	48.7	120
17	Coherent electronic and nuclear dynamics in a rhodamine heterodimer-DNA supramolecular complex. Physical Chemistry Chemical Physics, 2017, 19, 23043-23051.	2.8	24
18	Orthogonal Operation of Constitutional Dynamic Networks Consisting of DNA-Tweezer Machines. ACS Nano, 2017, 11, 12027-12036.	14.6	42

#	ARTICLE	IF	CITATIONS
19	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
20	Mimicking Peroxidase Activities with Prussian Blue Nanoparticles and Their Cyanometalate Structural Analogues. <i>Nano Letters</i> , 2017, 17, 4958-4963.	9.1	106
21	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
22	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
23	Orthogonal Dual-Triggered Shape-Memory DNA-Based Hydrogels. <i>Chemistry - A European Journal</i> , 2016, 22, 14504-14507.	3.3	30
24	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
25	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 (<i>Adv. Funct. Mater.</i> 24/2016). <i>Advanced Functional Materials</i> , 2016, 26, 4423-4423.	14.9	1
26	Electronic coherences in rhodamine dimers: vibronic coupling and distance dependence. , 2016, , .		0
27	Metal Nanoparticle-Loaded Mesoporous Carbon Nanoparticles: Electrical Contacting of Redox Proteins and Electrochemical Sensing Applications. <i>Electroanalysis</i> , 2015, 27, 2150-2157.	2.9	13
28	Integration of Switchable DNA-Based Hydrogels with Surfaces by the Hybridization Chain Reaction. <i>Nano Letters</i> , 2015, 15, 7773-7778.	9.1	138
29	Switchable Reconfiguration of a Seven-Ring Interlocked DNA Catenane Nanostructure. <i>Nano Letters</i> , 2015, 15, 7133-7137.	9.1	45
30	pH-Stimulated DNA Hydrogels Exhibiting Shape-Memory Properties. <i>Advanced Materials</i> , 2015, 27, 73-78.	21.0	328
31	Switchable Reconfiguration of an Interlocked DNA Olympiadane Nanostructure. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7499-7503.	13.8	59
32	A two-ring interlocked DNA catenane rotor undergoing switchable transitions across three states. <i>Chemical Communications</i> , 2014, 50, 4717-4720.	4.1	15
33	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
34	A Three-Station DNA Catenane Rotary Motor with Controlled Directionality. <i>Nano Letters</i> , 2013, 13, 2303-2308.	9.1	103
35	Metal Nanoparticle-Functionalized DNA Tweezers: From Mechanically Programmed Nanostructures to Switchable Fluorescence Properties. <i>Nano Letters</i> , 2013, 13, 3791-3795.	9.1	63
36	Au Nanoparticle/DNA Rotaxane Hybrid Nanostructures Exhibiting Switchable Fluorescence Properties. <i>Nano Letters</i> , 2013, 13, 6275-6280.	9.1	51

#	ARTICLE	IF	CITATIONS
37	Powering the programmed nanostructure and function of gold nanoparticles with catenated DNA machines. <i>Nature Communications</i> , 2013, 4, 2000.	12.8	127
38	Helquat-Induced Chiroselective Aggregation of Au NPs. <i>Nano Letters</i> , 2012, 12, 5835-5839.	9.1	26