

Alessandro Bertucci

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

846
citations

623188

14
h-index

580395

25
g-index

30
all docs

30
docs citations

30
times ranked

1512
citing authors

#	ARTICLE	IF	CITATIONS
1	Breakable Hybrid Organosilica Nanocapsules for Protein Delivery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3323-3327.	7.2	126
2	Combined Delivery of Temozolomide and Anti-miR221 PNA Using Mesoporous Silica Nanoparticles Induces Apoptosis in Resistant Glioma Cells. <i>Small</i> , 2015, 11, 5687-5695.	5.2	121
3	Detection of unamplified genomic DNA by a PNA-based microstructured optical fiber (MOF) Bragg-grating optofluidic system. <i>Biosensors and Bioelectronics</i> , 2015, 63, 248-254.	5.3	86
4	Porous Silicon Nanoparticle Delivery of Tandem Peptide Anti-infectives for the Treatment of <i>Pseudomonas aeruginosa</i> Lung Infections. <i>Advanced Materials</i> , 2017, 29, 1701527.	11.1	82
5	Label-free DNA biosensor based on a peptide nucleic acid-functionalized microstructured optical fiber-Bragg grating. <i>Journal of Biomedical Optics</i> , 2013, 18, 057004.	1.4	64
6	Tumor-Targeting, MicroRNA-Silencing Porous Silicon Nanoparticles for Ovarian Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23926-23937.	4.0	59
7	Intracellular Delivery of Peptide Nucleic Acid and Organic Molecules Using Zeolite Nanocrystals. <i>Advanced Healthcare Materials</i> , 2014, 3, 1812-1817.	3.9	43
8	A Folding-Based Electrochemical Aptasensor for the Single-Step Detection of the SARS-CoV-2 Spike Protein. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19204-19211.	4.0	42
9	Multifunctional Inorganic Nanocontainers for DNA and Drug Delivery into Living Cells. <i>Chemistry - A European Journal</i> , 2014, 20, 10900-10904.	1.7	41
10	Porous Silicon Nanoparticles Embedded in Poly(lactic acid)-glycolic acid) Nanofiber Scaffolds Deliver Neurotrophic Payloads to Enhance Neuronal Growth. <i>Advanced Functional Materials</i> , 2020, 30, 2002560.	7.8	27
11	Antibody-Templated Assembly of an RNA Mimic of Green Fluorescent Protein. <i>Analytical Chemistry</i> , 2018, 90, 1049-1053.	3.2	25
12	Protein-Controlled Actuation of Dynamic Nucleic Acid Networks by Using Synthetic DNA Translators**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20577-20581.	7.2	18
13	Hybrid polymer/porous silicon nanofibers for loading and sustained release of synthetic DNA-based responsive devices. <i>Nanoscale</i> , 2020, 12, 2333-2339.	2.8	17
14	Probing transcription factor binding activity and downstream gene silencing in living cells with a DNA nanoswitch. <i>Nanoscale</i> , 2018, 10, 2034-2044.	2.8	16
15	Programmable RNA-based systems for sensing and diagnostic applications. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4293-4302.	1.9	14
16	Reactive Microcontact Printing of DNA Probes on (DMA-NAS-MAPS) Copolymer-Coated Substrates for Efficient Hybridization Platforms. <i>Langmuir</i> , 2016, 32, 3308-3313.	1.6	13
17	Programming DNA-Based Systems through Effective Molarity Enforced by Biomolecular Confinement. <i>Chemistry - A European Journal</i> , 2020, 26, 9826-9834.	1.7	11
18	Aptamer-based assays: strategies in the use of aptamers conjugated to magnetic micro- and nanobeads as recognition elements in food control. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 63-74.	1.9	9

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19	A Bifunctional Monomer for On-Resin Synthesis of Polyfunctional PNAs and Tailored Induced-Fit Switching Probes. <i>Organic Letters</i> , 2016, 18, 5452-5455.	2.4	8
20	Tuning the Loading and Release Properties of MicroRNA-Silencing Porous Silicon Nanoparticles by Using Chemically Diverse Peptide Nucleic Acid Payloads. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 4123-4131.	2.6	7
21	Proteinâ€Controlled Actuation of Dynamic Nucleic Acid Networks by Using Synthetic DNA Translators**. <i>Angewandte Chemie</i> , 2020, 132, 20758-20762.	1.6	5
22	Controlling Dynamic DNA Reactions at the Surface of Single-Walled Carbon Nanotube Electrodes to Design Hybridization Platforms with a Specific Amperometric Readout. <i>Analytical Chemistry</i> , 2022, 94, 5075-5083.	3.2	5
23	Dissecting the intracellular signalling and fate of a DNA nanosensor by super-resolution and quantitative microscopy. <i>Nanoscale</i> , 2020, 12, 15402-15413.	2.8	4
24	Silicon Nanoparticles: Porous Silicon Nanoparticle Delivery of Tandem Peptide Antiâ€Infectives for the Treatment of <i>Pseudomonas aeruginosa</i> Lung Infections (<i>Adv. Mater.</i> 35/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	2
25	Loading of PNA and Other Molecular Payloads on Inorganic Nanostructures for Theranostics. <i>Methods in Molecular Biology</i> , 2018, 1811, 65-77.	0.4	1
26	Frontispiece: Programming DNAâ€Based Systems through Effective Molarity Enforced by Biomolecular Confinement. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0