

Sabine Eiben

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

910
citations

567281

15
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1025
citing authors

#	ARTICLE	IF	CITATIONS
1	The Impact of Aspect Ratio on the Biodistribution and Tumor Homing of Rigid Soft-Matter Nanorods. <i>Advanced Healthcare Materials</i> , 2015, 4, 874-882.	7.6	148
2	TMV nanorods with programmed longitudinal domains of differently addressable coat proteins. <i>Nanoscale</i> , 2013, 5, 3808.	5.6	97
3	Virus-Templated Synthesis of ZnO Nanostructures and Formation of Field-Effect Transistors. <i>Advanced Materials</i> , 2011, 23, 4918-4922.	21.0	82
4	Modified TMV Particles as Beneficial Scaffolds to Present Sensor Enzymes. <i>Frontiers in Plant Science</i> , 2015, 6, 1137.	3.6	75
5	Plant virus-based materials for biomedical applications: Trends and prospects. <i>Advanced Drug Delivery Reviews</i> , 2019, 145, 96-118.	13.7	66
6	Tobacco mosaic virus as enzyme nanocarrier for electrochemical biosensors. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 716-722.	7.8	58
7	Novel roles for well-known players: from tobacco mosaic virus pests to enzymatically active assemblies. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 613-629.	2.8	54
8	RNA-controlled assembly of tobacco mosaic virus-derived complex structures: from nanoboomerangs to tetrapods. <i>Nanoscale</i> , 2015, 7, 344-355.	5.6	45
9	Virus-directed formation of electrocatalytically active nanoparticle-based Co ₃ O ₄ tubes. <i>Nanoscale</i> , 2017, 9, 6334-6345.	5.6	44
10	Peptide-equipped tobacco mosaic virus templates for selective and controllable biomineral deposition. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1399-1412.	2.8	42
11	Bottom-Up Assembled Nanostar Colloids of Gold Cores and Tubes Derived From Tobacco Mosaic Virus. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7203-7207.	13.8	39
12	Tailoring the surface properties of tobacco mosaic virions by the integration of bacterially expressed mutant coat protein. <i>Virus Research</i> , 2014, 180, 92-96.	2.2	27
13	Genetically Improved Monolayer-Forming Tobacco Mosaic Viruses to Generate Nanostructured Semiconducting Bio/Inorganic Hybrids. <i>Langmuir</i> , 2015, 31, 3897-3903.	3.5	24
14	Dynamic DNA-controlled stop-and-go assembly of well-defined protein domains on RNA-scaffolded TMV-like nanotubes. <i>Nanoscale</i> , 2016, 8, 19853-19866.	5.6	21
15	Piezoelectric Templates: New Views on Biomineralization and Biomimetics. <i>Scientific Reports</i> , 2016, 6, 26518.	3.3	18
16	Nanoscale device architectures derived from biological assemblies: The case of tobacco mosaic virus and (apo)ferritin. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 03DA01.	1.5	13
17	Microwave assisted synthesis and characterisation of a zinc oxide/tobacco mosaic virus hybrid material. An active hybrid semiconductor in a field-effect transistor device. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 785-791.	2.8	12
18	Coassembly of Tobacco Mosaic Virus Coat Proteins into Nanotubes with Uniform Length and Improved Physical Stability. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13192-13196.	8.0	10

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19	Covalent incorporation of tobacco mosaic virus increases the stiffness of poly(ethylene glycol) diacrylate hydrogels. <i>RSC Advances</i> , 2018, 8, 4686-4694.	3.6	9
20	Engineered nanostructured virus/ZnO hybrid materials with dedicated functional properties. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2019, 8, 2-15.	0.9	6
21	Controllable Virus-Directed Synthesis of Nanostructured Hybrids Induced by Organic/Inorganic Interactions. <i>Advanced Biology</i> , 2017, 1, e1700106.	3.0	5
22	Hydrophobization of Tobacco Mosaic Virus to Control the Mineralization of Organic Templates. <i>Nanomaterials</i> , 2019, 9, 800.	4.1	5
23	RNA-Directed Assembly of Tobacco Mosaic Virus (TMV)-Like Carriers with Tunable Fractions of Differently Addressable Coat Proteins. <i>Methods in Molecular Biology</i> , 2018, 1776, 35-50.	0.9	4
24	Plant virus hybrid materials based on tobacco mosaic virus and small organic cross-linkers. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2018, 7, 187-193.	0.9	2