Sabine Eiben

List of Publications by Year
in descending order

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	Hydrophobization of Tobacco Mosaic Virus to Control the Mineralization of Organic Templates. Nanomaterials, 2019, 9, 800.	4.1	5
2	Plant virus-based materials for biomedical applications: Trends and prospects. Advanced Drug Delivery Reviews, 2019, 145, 96-118.	13.7	66
3	Engineered nanostructured virus/ZnO hybrid materials with dedicated functional properties. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 2-15.	0.9	6
4	Covalent incorporation of tobacco mosaic virus increases the stiffness of poly(ethylene glycol) diacrylate hydrogels. RSC Advances, 2018, 8, 4686-4694.	3.6	9
5	Plant virus hybrid materials based on tobacco mosaic virus and small organic cross-linkers. Bioinspired, Biomimetic and Nanobiomaterials, 2018, 7, 187-193.	0.9	2
6	RNA-Directed Assembly of Tobacco Mosaic Virus (TMV)-Like Carriers with Tunable Fractions of Differently Addressable Coat Proteins. Methods in Molecular Biology, 2018, 1776, 35-50.	0.9	4
7	Virus-directed formation of electrocatalytically active nanoparticle-based Co₃O₄ tubes. Nanoscale, 2017, 9, 6334-6345.	5.6	44
8	Controllable Virusâ€Directed Synthesis of Nanostructured Hybrids Induced by Organic/Inorganic Interactions. Advanced Biology, 2017, 1, e1700106.	3.0	5
9	Tobacco mosaic virus as enzyme nanocarrier for electrochemical biosensors. Sensors and Actuators B: Chemical, 2017, 238, 716-722.	7.8	58
10	Novel roles for well-known players: from tobacco mosaic virus pests to enzymatically active assemblies. Beilstein Journal of Nanotechnology, 2016, 7, 613-629.	2.8	54
11	Nanoscale device architectures derived from biological assemblies: The case of tobacco mosaic virus and (apo)ferritin. Japanese Journal of Applied Physics, 2016, 55, 03DA01.	1.5	13
12	Coassembly of Tobacco Mosaic Virus Coat Proteins into Nanotubes with Uniform Length and Improved Physical Stability. ACS Applied Materials & Interfaces, 2016, 8, 13192-13196.	8.0	10
13	Piezoelectric Templatesâ€‰â€“â€‰New Views on Biomineralization and Biomimetics. Scientific Reports, 2016, 6, 26518.	3.3	18
14	Dynamic DNA-controlled â€œstop-and-goâ€•assembly of well-defined protein domains on RNA-scaffolded TMV-like nanotubes. Nanoscale, 2016, 8, 19853-19866.	5.6	21
15	Microwave assisted synthesis and characterisation of a zinc oxide/tobacco mosaic virus hybrid material. An active hybrid semiconductor in a field-effect transistor device. Beilstein Journal of Nanotechnology, 2015, 6, 785-791.	2.8	12
16	Peptide-equipped tobacco mosaic virus templates for selective and controllable biomineral deposition. Beilstein Journal of Nanotechnology, 2015, 6, 1399-1412.	2.8	42
17	Modified TMV Particles as Beneficial Scaffolds to Present Sensor Enzymes. Frontiers in Plant Science, 2015, 6, 1137.	3.6	75
18	Genetically Improved Monolayer-Forming Tobacco Mosaic Viruses to Generate Nanostructured Semiconducting Bio/Inorganic Hybrids. Langmuir, 2015, 31, 3897-3903.	3.5	24

#	Article	IF	Citations
19	The Impact of Aspect Ratio on the Biodistribution and Tumor Homing of Rigid Softâ€Matter Nanorods. Advanced Healthcare Materials, 2015, 4, 874-882.	7.6	148
20	RNA-controlled assembly of tobacco mosaic virus-derived complex structures: from nanoboomerangs to tetrapods. Nanoscale, 2015, 7, 344-355.	5.6	45
21	Tailoring the surface properties of tobacco mosaic virions by the integration of bacterially expressed mutant coat protein. Virus Research, 2014, 180, 92-96.	2.2	27
22	TMV nanorods with programmed longitudinal domains of differently addressable coat proteins. Nanoscale, 2013, 5, 3808.	5.6	97
23	Bottomâ€Upâ€Assembled Nanostar Colloids of Gold Cores and Tubes Derived From Tobacco Mosaic Virus. Angewandte Chemie - International Edition, 2013, 52, 7203-7207.	13.8	39
24	Virusâ€Templated Synthesis of ZnO Nanostructures and Formation of Fieldâ€Effect Transistors. Advanced Materials, 2011, 23, 4918-4922.	21.0	82