

Fungal Hydrophobin Proteins Produce Self-Assembling Structure and Chemical Stability

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Onâ€œtheâ€œSpot Immobilization of Quantum Dots, Graphene Oxide, and Proteins via Hydrophobins. <i>Advanced Functional Materials</i> , 2015, 25, 6084-6092.	14.9	28
2	Surface-water Interface Induces Conformational Changes Critical for Protein Adsorption: Implications for Monolayer Formation of EAS Hydrophobin. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 64.	3.5	29
3	Marine fungi as source of new hydrophobins. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 1229-1233.	7.5	31
4	The good, the bad and the tasty: The many roles of mushrooms. <i>Studies in Mycology</i> , 2016, 85, 125-157.	7.2	81
5	Protein-Assisted Assembly of Î€-Conjugated Polymers. <i>Chemistry of Materials</i> , 2016, 28, 573-582.	6.7	20
6	Exploring the frontiers of colloidal behaviour where polymers and particles meet. <i>Food Hydrocolloids</i> , 2016, 52, 497-509.	10.7	75
7	Green synthesis of luminescent and defect-free bio-nanosheets of MoS ₂ : interfacing two-dimensional crystals with hydrophobins. <i>RSC Advances</i> , 2017, 7, 22400-22408.	3.6	31
8	Selfâ€œassembly of two hydrophobins from marine fungi affected by interaction with surfaces. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2173-2186.	3.3	16
9	Investigation of the relationship between the rodlet formation and Cys3â€œCys4 loop of the HGFI hydrophobin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 344-351.	5.0	8
10	Hydrophobin coating prevents <i>Staphylococcus epidermidis</i> biofilm formation on different surfaces. <i>Biofouling</i> , 2017, 33, 601-611.	2.2	31
11	Applications of Functional Amyloids from Fungi: Surface Modification by Class I Hydrophobins. <i>Biomolecules</i> , 2017, 7, 45.	4.0	31
12	A Structural and Functional Role for Disulfide Bonds in a Class II Hydrophobin. <i>Biochemistry</i> , 2018, 57, 645-653.	2.5	19
13	Femtosecond X-ray coherent diffraction of aligned amyloid fibrils on low background graphene. <i>Nature Communications</i> , 2018, 9, 1836.	12.8	34
14	Probing Structural Changes during Self-assembly of Surface-Active Hydrophobin Proteins that Form Functional Amyloids in Fungi. <i>Journal of Molecular Biology</i> , 2018, 430, 3784-3801.	4.2	19
15	Comparative analysis of surface coating properties of five hydrophobins from <i>Aspergillus nidulans</i> and <i>Trichoderma reesei</i> . <i>Scientific Reports</i> , 2018, 8, 12033.	3.3	31
16	Versatile biomimetic medical device surface: hydrophobin coated, nitric oxide-releasing polymer for antimicrobial and hemocompatible applications. <i>Biomaterials Science</i> , 2019, 7, 3438-3449.	5.4	23
17	Surface Functionalization by Hydrophobin-EPSPS Fusion Protein Allows for the Fast and Simple Detection of Glyphosate. <i>Biosensors</i> , 2019, 9, 104.	4.7	7
18	Hydrophobins: multifunctional biosurfactants for interface engineering. <i>Journal of Biological Engineering</i> , 2019, 13, 10.	4.7	61

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19	Hydrophobin Rodlets on the Fungal Cell Wall. <i>Current Topics in Microbiology and Immunology</i> , 2019, 425, 29-51.	1.1	16
20	Investigation of the role hydrophobin monomer loops using hybrid models via molecular dynamics simulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 128-138.	5.0	3
21	Excretory overexpression of hydrophobins as multifunctional biosurfactants in <i>E. coli</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1296-1302.	7.5	3
22	Trichoderma in the rhizosphere. , 2020, , 3-38.		4
23	Predicting the self-assembly film structure of class II hydrophobin NC2 and estimating its structural characteristics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111269.	5.0	4
24	Amyloid and Amyloid-Like Aggregates: Diversity and the Term Crisis. <i>Biochemistry (Moscow)</i> , 2020, 85, 1011-1034.	1.5	17
25	Cell-free expression of natively folded hydrophobins. <i>Protein Expression and Purification</i> , 2020, 170, 105591.	1.3	6
26	Hydrophobin HGFI improving the nanoparticle formation, stability and solubility of Curcumin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125922.	4.7	5
27	Comparative Study of Structural Changes of Polylactide and Poly(ethylene terephthalate) in the Presence of <i>Trichoderma viride</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 3491.	4.1	8
28	Class I hydrophobins pretreatment stimulates PETase for monomers recycling of waste PETs. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 157-164.	7.5	29
29	Blocking Protein Adsorption in Microfluidic Chips by a Hydrophobin Coating. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3278-3286.	4.4	2
30	Self-Assembly of a Ginkgo Oligomerization Domain Creates a Sub-10-nm Honeycomb Architecture on Carbon and Silicon Surfaces with Customizable Pores: Implications for Nanoelectronics, Biosensing, and Biocatalysis. <i>ACS Applied Nano Materials</i> , 2021, 4, 9518-9526.	5.0	0
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33	Fungal Hydrophobins and Their Self-Assembly into Functional Nanomaterials. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1174, 161-185.	1.6	12
34	All-Natural Smart Mycelium Surface with Tunable Wettability. <i>ACS Applied Bio Materials</i> , 2021, 4, 1015-1022.	4.6	21
36	A comparison of several media types and basic techniques used to assess outdoor airborne fungi in Melbourne, Australia. <i>PLoS ONE</i> , 2020, 15, e0238901.	2.5	11
37	CHARACTERISTICS AND FUNCTIONS OF HYDROPHOBINS AND THEIR USE IN MANIFOLD INDUSTRIES. <i>Postepy Mikrobiologii</i> , 2019, 57, 374-384.	0.1	4

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38	Protein-modified porous silicon optical devices for biosensing. , 2021, , 113-148.		1
39	Adsorption Kinetics and Self-Assembled Structures of <i>Aspergillus oryzae</i> Hydrophobin RolA on Hydrophobic and Charged Solid Surfaces. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0208721.	3.1	3
40	<i>Aspergillus</i> Hydrophobins: Physicochemical Properties, Biochemical Properties, and Functions in Solid Polymer Degradation. <i>Microorganisms</i> , 2022, 10, 1498.	3.6	6
41	Innovative surface bio-functionalization by fungal hydrophobins and their engineered variants. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	3.5	2
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46	Evidence of Small Fungal Cysteine-Rich Proteins Acting as Biosurfactants and Self-Assembling into Large Fibers. <i>International Journal of Molecular Sciences</i> , 2023, 24, 13843.	4.1	1
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