

Oded Shoseyov

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,632
citations

279798

23
h-index

223800

46
g-index

48
all docs

48
docs citations

48
times ranked

4255
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocellulose, a tiny fiber with huge applications. <i>Current Opinion in Biotechnology</i> , 2016, 39, 76-88.	6.6	733
2	Carbohydrate Binding Modules: Biochemical Properties and Novel Applications. <i>Microbiology and Molecular Biology Reviews</i> , 2006, 70, 283-295.	6.6	460
3	Highly Modified Cellulose Nanocrystals and Formation of Epoxy-Nanocrystalline Cellulose (CNC) Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28086-28095.	8.0	137
4	Surface Charge Influence on the Phase Separation and Viscosity of Cellulose Nanocrystals. <i>Langmuir</i> , 2018, 34, 3925-3933.	3.5	120
5	Differential accumulation of water stress-related proteins, sucrose synthase and soluble sugars in <i>Populus</i> species that differ in their water stress response. <i>Physiologia Plantarum</i> , 1997, 99, 153-159.	5.2	115
6	Production of Bioactive, Post-Translationally Modified, Heterotrimeric, Human Recombinant Type-I Collagen in Transgenic Tobacco. <i>Biomacromolecules</i> , 2009, 10, 2640-2645.	5.4	110
7	Immobilization of recombinant heparinase I fused to cellulose-binding domain. <i>Biotechnology and Bioengineering</i> , 1999, 65, 17-23.	3.3	69
8	Multifunctional Cellulosic Scaffolds from Modified Cellulose Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2010-2015.	8.0	69
9	Species-independent analytical tools for next-generation agriculture. <i>Nature Plants</i> , 2020, 6, 1408-1417.	9.3	63
10	Wet Spinning and Drawing of Human Recombinant Collagen. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 349-360.	5.2	58
11	Human Recombinant Type I Collagen Produced in Plants. <i>Tissue Engineering - Part A</i> , 2013, 19, 1527-1533.	3.1	49
12	Human collagen produced in plants. <i>Bioengineered</i> , 2014, 5, 49-52.	3.2	46
13	Highly Charged Cellulose Nanocrystals Applied as A Water Treatment Flocculant. <i>Nanomaterials</i> , 2019, 9, 272.	4.1	44
14	Direct Cryo Writing of Aerogels Via 3D Printing of Aligned Cellulose Nanocrystals Inspired by the Plant Cell Wall. <i>Colloids and Interfaces</i> , 2019, 3, 46.	2.1	43
15	Novel Methodology for Enzymatic Removal of Atrazine from Water by CBD-Fusion Protein Immobilized on Cellulose. <i>Environmental Science & Technology</i> , 2000, 34, 1292-1296.	10.0	39
16	Cellulose Nanocrystals (CNCs) Induced Crystallization of Polyvinyl Alcohol (PVA) Super Performing Nanocomposite Films. <i>Macromolecular Bioscience</i> , 2019, 19, e1800347.	4.1	38
17	A Paper-Based Near-Infrared Optical Biosensor for Quantitative Detection of Protease Activity Using Peptide-Encapsulated SWCNTs. <i>Sensors</i> , 2020, 20, 5247.	3.8	36
18	Sugars enhance the expression of gibberellin-induced genes in developing petunia flowers. <i>Physiologia Plantarum</i> , 2000, 109, 196-202.	5.2	33

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19	Stable White Light-Emitting Biocomposite Films. <i>Advanced Functional Materials</i> , 2018, 28, 1706967.	14.9	32
20	Additive Manufacturing of 3D Structures Composed of Wood Materials. <i>Advanced Materials Technologies</i> , 2019, 4, 1900158.	5.8	32
21	Bionanocomposite Films from Resilin-CBD Bound to Cellulose Nanocrystals. <i>Industrial Biotechnology</i> , 2015, 11, 44-58.	0.8	29
22	A nanoscale paper-based near-infrared optical nose (NIRON). <i>Biosensors and Bioelectronics</i> , 2021, 172, 112763.	10.1	28
23	Growth modulation of transgenic potato plants by heterologous expression of bacterial carbohydrate-binding module. <i>Molecular Breeding</i> , 2006, 17, 355-364.	2.1	27
24	Identification of genes related to skin development in potato. <i>Plant Molecular Biology</i> , 2017, 94, 481-494.	3.9	26
25	The influence of poly(ethylene glycol) ether tetrasuccinimidyl glutarate on the structural, physical, and biological properties of collagen fibers. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 914-922.	3.4	25
26	3D Printing of Cellulose Nanocrystal-Loaded Hydrogels through Rapid Fixation by Photopolymerization. <i>Langmuir</i> , 2021, 37, 6451-6458.	3.5	21
27	Cellulose Nanocrystals and Corn Zein Oxygen and Water Vapor Barrier Biocomposite Films. <i>Nanomaterials</i> , 2021, 11, 247.	4.1	17
28	When bottom-up meets top-down. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 428-429.	7.1	16
29	Spider Silk-CBD-Cellulose Nanocrystal Composites: Mechanism of Assembly. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1573.	4.1	15
30	Plant Recombinant Human Collagen Type I Hydrogels for Corneal Regeneration. <i>Regenerative Engineering and Translational Medicine</i> , 2022, 8, 269-283.	2.9	14
31	Human recombinant RNASET2: A potential anti-cancer drug. <i>Oncoscience</i> , 2016, 3, 71-84.	2.2	12
32	Human RNASET2 derivatives as potential anti-angiogenic agents: actin binding sequence identification and characterization. <i>Oncoscience</i> , 2014, 2, 31-43.	2.2	10
33	Human recombinant truncated RNASET2, devoid of RNase activity; A potential cancer therapeutic agent. <i>Oncotarget</i> , 2014, 5, 11464-11478.	1.8	10
34	Spin-Induced Organization of Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2022, 23, 2098-2105.	5.4	9
35	The assembly of <i>C. elegans</i> lamins into macroscopic fibers. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 63, 35-43.	3.1	6
36	Stable Expression of Adalimumab in <i>Nicotiana tabacum</i> . <i>Molecular Biotechnology</i> , 2018, 60, 387-395.	2.4	6

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37	Effects of the 3D sizing of polyacrylonitrile fabric with carbon nanotubeâ€‘SP1 protein complex on the interfacial properties of polyacrylonitrile/phenolic composites. Journal of Composite Materials, 2016, 50, 1031-1036.	2.4	5
38	Nanocellulose Composite Biomaterials in Industry and Medicine. Biologically-inspired Systems, 2019, , 693-784.	0.2	5
39	Wood Warping Composite by 3D Printing. Polymers, 2022, 14, 733.	4.5	5
40	Fabrication of Second Skin from Keratin and Melanin. Polymers, 2020, 12, 2568.	4.5	4
41	Ecogeographic Conditions Dramatically Affect Trans-Resveratrol and Other Major Phenolicsâ€™ Levels in Wine at a Semi-Arid Area. Plants, 2022, 11, 629.	3.5	4
42	Production and Characterization of Recombinant Collagen-Binding Resilin Nanocomposite for Regenerative Medicine Applications. Regenerative Engineering and Translational Medicine, 2019, 5, 362-372.	2.9	3
43	Lightâ€™Emitting Biocomposites: Stable White Lightâ€™Emitting Biocomposite Films (Adv. Funct. Mater.) Tj ETQq1 1 0,784314,rgBT /Over 14.9	14.9	2
44	BactoSpin: Novel Technology for Rapid Bacteria Detection and Antibiotic Susceptibility Testing. Sensors, 2021, 21, 5902.	3.8	2
45	Intake of Radionuclides in the Trees of Fukushima Forests 4. Binding of Radioiodine to Xyloglucan. Forests, 2020, 11, 957.	2.1	1
46	Inside Back Cover: Electrodeposition of Single-Metal Nanoparticles on Stable Proteinâ€™...1 Membranes: Application of Plasmonic Sensing by Single Nanoparticles (Angew. Chem. Int. Ed. 1/2012). Angewandte Chemie - International Edition, 2012, 51, 277-277.	13.8	0