Gozde S Demirer

List of Publications by Citations

28 papers	980 citations	12 h-index	31 g-index
35 ext. papers	1,379 ext. citations	10.7 avg, IF	4.79 L-index

#	Paper	IF	Citations
28	High aspect ratio nanomaterials enable delivery of functional genetic material without DNA integration in mature plants. *Nature Nanotechnology*, **2019**, 14, 456-464	28.7	228
27	Nanoparticle-Mediated Delivery towards Advancing Plant Genetic Engineering. *Trends in Biotechnology*, **2018**, 36, 882-897	15.1	194
26	DNA nanostructures coordinate gene silencing in mature plants. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7543-7548	11.5	103
25	Synthesis and design of biologically inspired biocompatible iron oxide nanoparticles for biomedical applications. *Journal of Materials Chemistry B*, **2015**, 3, 7831-7849	7.3	88
24	Targeted delivery of doxorubicin into tumor cells via MMP-sensitive PEG hydrogel-coated magnetic iron oxide nanoparticles (MIONPs). *Colloids and Surfaces B: Biointerfaces*, **2014**, 122, 674-683	6	71
23	Carbon nanotube-mediated DNA delivery without transgene integration in intact plants. *Nature Protocols*, **2019**, 14, 2954-2971	18.8	67
22	Carbon nanocarriers deliver siRNA to intact plant cells for efficient gene knockdown. *Science Advances*, **2020**, 6, eaaz0495	14.3	56
21	Nanotechnology to advance CRISPR-Cas genetic engineering of plants. *Nature Nanotechnology*, **2021**, 16, 243-250	28.7	36
20	Nanoparticle-Mediated Genetic Engineering of Plants. *Molecular Plant*, **2019**, 12, 1037-1040	14.4	31
19	Nanoparticle-Templated Molecular Recognition Platforms for Detection of Biological Analytes. *Current Protocols in Chemical Biology*, **2016**, 8, 197-223	1.8	23
18	Gold-Nanocluster-Mediated Delivery of siRNA to Intact Plant Cells for Efficient Gene Knockdown. *Nano Letters*, **2021**, 21, 5859-5866	11.5	16
17	Engineering DNA nanostructures for siRNA delivery in plants. *Nature Protocols*, **2020**, 15, 3064-3087	18.8	13
16	High Aspect Ratio Nanomaterials Enable Delivery of Functional Genetic Material Without DNA Integration in Mature Plants		12
15	Nanoparticle-Guided Biomolecule Delivery for Transgene Expression and Gene Silencing in Mature Plants. *Biophysical Journal*, **2018**, 114, 217a	2.9	9
14	Nanoparticle cellular internalization is not required for RNA delivery to mature plant leaves. *Nature Nanotechnology*, **2021**,	28.7	7
13	Engineering Molecular Recognition with Bio-mimetic Polymers on Single Walled Carbon Nanotubes. *Journal of Visualized Experiments*, **2017**,	1.6	6
12	Nanotubes effectively deliver siRNA to intact plant cells and protect siRNA against nuclease degradation		5

List of Publications

11	Nanotubes Effectively Deliver siRNA to Intact Plant Cells and Protect siRNA Against Nuclease Degradation. *SSRN Electronic Journal*, **2019**,	1	4
10	A Ratiometric Dual Color Luciferase Reporter for Fast Characterization of Transcriptional Regulatory Elements in Plants. *ACS Synthetic Biology*, **2021**, 10, 2763-2766	5.7	2
9	Nanobiolistics: An Emerging Genetic Transformation Approach. *Methods in Molecular Biology*, **2020**, 2124, 141-159	1.4	2
8	Carbon nanotube biocompatibility in plants is determined by their surface chemistry.. *Journal of Nanobiotechnology*, **2021**, 19, 431	9.4	2
7	DNA Nanostructures Coordinate Gene Silencing in Mature Plants		1
6	Gold nanocluster mediated delivery of siRNA to intact plant cells for efficient gene knockdown		1
5	Efficient Transient Gene Knock-down in Tobacco Plants Using Carbon Nanocarriers. *Bio-protocol*, **2021**, 11, e3897	0.9	1
4	Carbon nanotube biocompatibility in plants is determined by their surface chemistry		1
3	Toolboxes for plant systems biology research.. *Current Opinion in Biotechnology*, **2022**, 75, 102692	11.4	0
2	GLRs: Mediating a defense-regeneration tradeoff in plants.. *Developmental Cell*, **2022**, 57, 417-418	10.2	0
1	Wonder Wheat: A Disease-Resistant Crop Without Growth Tradeoff **2022**, 1, 133-134		