

# Ayan Samanta

## List of Publications by Year in descending order

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14  
papers

686  
citations

933447

10  
h-index

940533

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17  
docs citations

17  
times ranked

1262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochromic Response of Encapsulated Oxygen-Containing Yttrium Hydride Thin Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000608.	2.4	7
2	Exploring the energy landscape of a SAM-I riboswitch. <i>Journal of Biological Physics</i> , 2021, 47, 371-386.	1.5	4
3	Cerebellar Cells Self-Assemble into Functional Organoids on Synthetic, Chemically Crosslinked ECM-Mimicking Peptide Hydrogels. <i>Biomolecules</i> , 2020, 10, 754.	4.0	23
4	A Biomimetic Model for Liver Cancer to Study Tumor-Stroma Interactions in a 3D Environment with Tunable Bio-Physical Properties. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	14
5	Injectable Shape-Holding Collagen Hydrogel for Cell Encapsulation and Delivery Cross-linked Using Thiol-Michael Addition Click Reaction. <i>Biomacromolecules</i> , 2019, 20, 3475-3484.	5.4	64
6	The multi-state energy landscape of the SAM-I riboswitch: A single-molecule Förster resonance energy transfer spectroscopy study. <i>Journal of Chemical Physics</i> , 2018, 148, 123324.	3.0	10
7	Short peptide analogs as alternatives to collagen in pro-regenerative corneal implants. <i>Acta Biomaterialia</i> , 2018, 69, 120-130.	8.3	48
8	Collagen-Based Fillers as Alternatives to Cyanoacrylate Glue for the Sealing of Large Corneal Perforations. <i>Cornea</i> , 2018, 37, 609-616.	1.7	26
9	Non-toxic chemically crosslinked collagen hydrogels for cell delivery. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 124, 104.	1.9	1
10	Single-molecule FRET reveals the energy landscape of the full-length SAM-I riboswitch. <i>Nature Chemical Biology</i> , 2017, 13, 1172-1178.	8.0	47
11	Reduced cytotoxicity and enhanced bioactivity of cationic antimicrobial peptides liposomes in cell cultures and 3D epidermis model against HSV. <i>Journal of Controlled Release</i> , 2016, 229, 163-171.	9.9	70
12	Site-specific terminal and internal labeling of RNA by poly(A) polymerase tailing and copper-catalyzed or copper-free strain-promoted click chemistry. <i>Nucleic Acids Research</i> , 2012, 40, e78-e78.	14.5	104
13	Site-Specific One-Pot Dual Labeling of DNA by Orthogonal Cycloaddition Chemistry. <i>Bioconjugate Chemistry</i> , 2012, 23, 1382-1386.	3.6	102
14	APP and APLP2 are essential at PNS and CNS synapses for transmission, spatial learning and LTP. <i>EMBO Journal</i> , 2011, 30, 2266-2280.	7.8	157