

# Adree Khondker

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

575  
citations

686830

13  
h-index

676716

22  
g-index

38  
all docs

38  
docs citations

38  
times ranked

810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic resolution map of the soluble amyloid beta assembly toxic surfaces. <i>Chemical Science</i> , 2019, 10, 6072-6082.	3.7	48
2	Membrane curvature allosterically regulates the phosphatidylinositol cycle, controlling its rate and acyl-chain composition of its lipid intermediates. <i>Journal of Biological Chemistry</i> , 2018, 293, 17780-17791.	1.6	47
3	Membrane-Accelerated Amyloid- $\beta^2$ Aggregation and Formation of Cross- $\beta^2$ Sheets. <i>Membranes</i> , 2017, 7, 49.	1.4	41
4	How do bacterial membranes resist polymyxin antibiotics?. <i>Communications Biology</i> , 2020, 3, 77.	2.0	41
5	Membrane charge and lipid packing determine polymyxin-induced membrane damage. <i>Communications Biology</i> , 2019, 2, 67.	2.0	37
6	Partitioning of caffeine in lipid bilayers reduces membrane fluidity and increases membrane thickness. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7101-7111.	1.3	33
7	Avidity within the N-terminal anchor drives $\beta$ -synuclein membrane interaction and insertion. <i>FASEB Journal</i> , 2020, 34, 7462-7482.	0.2	28
8	Order and disorder—An integrative structure of the full-length human growth hormone receptor. <i>Science Advances</i> , 2021, 7, .	4.7	25
9	Membrane Cholesterol Reduces Polymyxin B Nephrotoxicity in Renal Membrane Analogs. <i>Biophysical Journal</i> , 2017, 113, 2016-2028.	0.2	24
10	The Lipid Bilayer Provides a Site for Cortisone Crystallization at High Cortisone Concentrations. <i>Scientific Reports</i> , 2016, 6, 22425.	1.6	23
11	Glucose Can Protect Membranes against Dehydration Damage by Inducing a Glassy Membrane State at Low Hydrations. <i>Membranes</i> , 2019, 9, 15.	1.4	19
12	Hybrid Erythrocyte Liposomes: Functionalized Red Blood Cell Membranes for Molecule Encapsulation. <i>Advanced Biology</i> , 2020, 4, e1900185.	3.0	17
13	Membrane interactions of non-membrane targeting antibiotics: The case of aminoglycosides, macrolides, and fluoroquinolones. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183448.	1.4	17
14	Stabilization of Lipid Membranes through Partitioning of the Blood Bag Plasticizer Di-2-ethylhexyl phthalate (DEHP). <i>Langmuir</i> , 2020, 36, 11899-11907.	1.6	15
15	Molecular Mechanism for the Suppression of Alpha Synuclein Membrane Toxicity by an Unconventional Extracellular Chaperone. <i>Journal of the American Chemical Society</i> , 2020, 142, 9686-9699.	6.6	15
16	Carbapenems and Lipid Bilayers: Localization, Partitioning, and Energetics. <i>ACS Infectious Diseases</i> , 2018, 4, 926-935.	1.8	14
17	The role of bariatric surgery on kidney transplantation: A systematic review and meta-analysis. <i>Canadian Urological Association Journal</i> , 2021, 15, E553-E562.	0.3	14
18	A machine learning-based approach for quantitative grading of vesicoureteral reflux from voiding cystourethrograms: Methods and proof of concept. <i>Journal of Pediatric Urology</i> , 2022, 18, 78.e1-78.e7.	0.6	13

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19	Posterior Urethral Valves Outcomes Prediction (PUVOP): a machine learning tool to predict clinically relevant outcomes in boys with posterior urethral valves. <i>Pediatric Nephrology</i> , 2022, 37, 1067-1074.	0.9	13
20	Modulation of DEG/ENaCs by Amphiphiles Suggests Sensitivity to Membrane Alterations. <i>Biophysical Journal</i> , 2018, 114, 1321-1335.	0.2	12
21	Improvement of kidney function in patients with chronic kidney disease and severe obesity after bariatric surgery: A systematic review and meta-analysis. <i>Nephrology</i> , 2022, 27, 44-56.	0.7	12
22	Pre- versus postnatal presentation of posterior urethral valves: a multi-institutional experience. <i>BJU International</i> , 2022, 130, 350-356.	1.3	12
23	Benchtop-fabricated lipid-based electrochemical sensing platform for the detection of membrane disrupting agents. <i>Scientific Reports</i> , 2020, 10, 4595.	1.6	9
24	Membrane-Modulating Drugs can Affect the Size of Amyloid- $\beta$ 25-35 Aggregates in Anionic Membranes. <i>Scientific Reports</i> , 2018, 8, 12367.	1.6	8
25	Explainable artificial intelligence to predict the risk of side-specific extraprostatic extension in pre-prostatectomy patients. <i>Canadian Urological Association Journal</i> , 2022, 16, .	0.3	8
26	Late Kidney Effects of Nephron-Sparing vs Radical Nephrectomy for Wilms Tumor: A Systematic Review and Meta-Analysis. <i>Journal of Urology</i> , 2022, 207, 513-523.	0.2	8
27	Personalized application of machine learning algorithms to identify pediatric patients at risk for recurrent ureteropelvic junction obstruction after dismembered pyeloplasty. <i>World Journal of Urology</i> , 2022, 40, 593-599.	1.2	7
28	Steroid-steroid interactions in biological membranes: Cholesterol and cortisone. <i>Chemistry and Physics of Lipids</i> , 2019, 221, 193-197.	1.5	5
29	Conformational plasticity of the HIV-1 gp41 immunodominant region is recognized by multiple non-neutralizing antibodies. <i>Communications Biology</i> , 2022, 5, 291.	2.0	3
30	Canadian Conference for the Advancement of Surgical Education (C-CASE) 2021: Post-Pandemic and Beyond Virtual Conference Abstracts Blended learning using augmented reality glasses during the COVID-19 pandemic: the present and the future Activating emotions enhance surgical simulation performance: a cluster analysis Training in soft-tissue resection using real-time visual computer navigation feedback from the Surgery Tutor: a randomized controlled trial SonoGames: delivering a point of care ultrasound curriculum. <i>Canadian Journal of Surgery</i> , 2021, 64, S65-S79.	0.5	1
31	Incidence of dural metastases in castrate-resistant prostate cancer. <i>Journal of Clinical Urology</i> , 0, , 205141582210900.	0.1	1
32	Membrane Cholesterol Reduces Polymyxin B Nephrotoxicity in Renal Membrane Analogues. <i>Biophysical Journal</i> , 2018, 114, 451a.	0.2	0
33	Structural Basis of Alpha Synuclein Assembly Toxicity Inhibition by Human Serum Albumin. <i>Biophysical Journal</i> , 2020, 118, 61a-62a.	0.2	0
34	MP64-01 PREDICTING RISK OF SIDE-SPECIFIC EXTRAPROSTATIC EXTENSION IN MEN WITH PROSTATE CANCER USING EXPLAINABLE ARTIFICIAL INTELLIGENCE. <i>Journal of Urology</i> , 2021, 206, .	0.2	0