

# Muhammad Zahid

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

277  
citations

933447

10  
h-index

996975

15  
g-index

25  
all docs

25  
docs citations

25  
times ranked

132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep eutectic solvents as alternative green solvents for the efficient desulfurization of liquid fuel: A comprehensive review. <i>Fuel</i> , 2021, 305, 121502.	6.4	53
2	Environmentally Friendly Extraction of Bioactive Compounds from <i>Mentha arvensis</i>; Using Deep Eutectic Solvent as Green Extraction Media. <i>Polish Journal of Environmental Studies</i> , 2020, 29, 3749-3757.	1.2	22
3	Roll coating analysis of a third grade fluid. <i>Journal of Plastic Film and Sheeting</i> , 2017, 33, 72-91.	2.2	20
4	Calendering analysis of a third-order fluid. <i>Journal of Plastic Film and Sheeting</i> , 2014, 30, 345-368.	2.2	18
5	Effect of magnetohydrodynamics on Newtonian calendering. <i>Journal of Plastic Film and Sheeting</i> , 2013, 29, 347-364.	2.2	14
6	Roll coating analysis of a second-grade material. <i>Journal of Plastic Film and Sheeting</i> , 2018, 34, 232-255.	2.2	14
7	Theoretical Study of the Reverse Roll Coating of Non-Isothermal Magnetohydrodynamics Viscoplastic Fluid. <i>Coatings</i> , 2020, 10, 940.	2.6	14
8	Mathematical Analysis of Pseudoplastic Polymers during Reverse Roll-Coating. <i>Polymers</i> , 2020, 12, 2285.	4.5	14
9	Mathematical analysis of a non-Newtonian polymer in the forward roll coating process. <i>Journal of Polymer Engineering</i> , 2020, 40, 703-712.	1.4	14
10	Mathematical Analysis of the Coating Process over a Porous Web Lubricated with Upper-Convected Maxwell Fluid. <i>Coatings</i> , 2019, 9, 458.	2.6	12
11	Ultrasound-assisted deep eutectic solvent-based extraction of phytochemicals from <i>Mentha arvensis</i> : optimization using Box-Behnken design. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 35-45.	4.6	12
12	Use of hydrogen-bonded supramolecular eutectic solvents for eco-friendly extraction of bioactive molecules from <i>Cymbopogon citratus</i> using Box-Behnken design. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 1487-1498.	3.2	11
13	Modeling of non-isothermal flow of a magnetohydrodynamic, viscoplastic fluid during calendering. <i>Journal of Plastic Film and Sheeting</i> , 2016, 32, 74-96.	2.2	10
14	Modeling of an isothermal flow of a magnetohydrodynamic, viscoplastic fluid during forward roll coating process. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 5591-5602.	6.4	9
15	Mathematical Analysis of Roll Coating Process by Using Couple Stress Fluid. <i>Journal of Nanofluids</i> , 2019, 8, 1683-1691.	2.7	9
16	Numerical analysis of the forward roll coating of a Rabinowitsch fluid. <i>Journal of Plastic Film and Sheeting</i> , 2020, 36, 191-208.	2.2	8
17	Analysis of the lubrication approximation theory in the calendering/sheeting process of upper convected Jeffery's material. <i>Journal of Plastic Film and Sheeting</i> , 2021, 37, 128-159.	2.2	5
18	Influence of magnetohydrodynamics and heat transfer on the reverse roll coating of a Jeffrey fluid: A theoretical study. <i>Journal of Plastic Film and Sheeting</i> , 2022, 38, 72-104.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Numerical analysis of blade coating of a third-order fluid. Journal of Plastic Film and Sheeting, 2019, 35, 157-180.	2.2	4
20	Forward Roll Coating of a Williamson's Material onto a Moving Web: A Theoretical Study. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	4
21	A Theoretical Study of Reverse Roll Coating for a Non-Isothermal Third-Grade Fluid under Lubrication Approximation Theory. Mathematical Problems in Engineering, 2022, 2022, 1-18.	1.1	3
22	Hydrodynamics and sensitivity analysis of calendaring process of a viscoelastic material. Archive of Applied Mechanics, 2022, 92, 1083-1099.	2.2	1
23	Mathematical analysis of two-layer calendaring of isothermal Newtonian fluids with different viscosities. European Physical Journal Plus, 2022, 137, 1.	2.6	1
24	On a Certain Class of Analytic Functions Defined by a Certain Operator. Journal of Computational and Theoretical Nanoscience, 2016, 13, 3233-3237.	0.4	0
25	Numerical analysis of two-layered isothermal calendaring of viscoplastic and Newtonian fluids with different viscosity ratios. Journal of Plastic Film and Sheeting, 0, , 875608792210939.	2.2	0