

# Veruscha Fester

## List of Publications by Year in descending order

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32  
papers

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citations

758635

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#	ARTICLE	IF	CITATIONS
1	Catalytic activities of ultra-small $\text{Fe}^{2+}$ -FeOOH nanorods in ozonation of 4-chlorophenol. <i>Journal of Environmental Sciences</i> , 2015, 35, 83-90.	3.2	56
2	Binderless Solution Processed Zn Doped $\text{Co}_3\text{O}_4$ Film on FTO for Rapid and Selective Non-enzymatic Glucose Detection. <i>Electroanalysis</i> , 2017, 29, 578-586.	1.5	40
3	Photocatalytic activities of ultra-small $\text{Fe}^{2+}$ -FeOOH and $\text{TiO}_2$ heterojunction structure under simulated solar irradiation. <i>Materials Research Bulletin</i> , 2015, 68, 133-141.	2.7	39
4	Energy losses of non-Newtonian fluids in sudden pipe contractions. <i>Chemical Engineering Journal</i> , 2008, 145, 57-63.	6.6	38
5	Loss Coefficients for Flow of Newtonian and Non-Newtonian Fluids Through Diaphragm Valves. <i>Chemical Engineering Research and Design</i> , 2007, 85, 1314-1324.	2.7	22
6	Measurement and analysis of flow behaviour in complex geometries using the Ultrasonic Velocity Profiling (UVP) technique. <i>Flow Measurement and Instrumentation</i> , 2011, 22, 110-119.	1.0	22
7	A novel $\text{Fe}^{2+}$ -FeOOH/NiO composite material as a potential catalyst for catalytic ozonation degradation of 4-chlorophenol. <i>RSC Advances</i> , 2015, 5, 59513-59521.	1.7	20
8	Growth kinetics evaluation of hydrothermally synthesized $\text{Fe}^{2+}$ -FeOOH nanorods. <i>Journal of Crystal Growth</i> , 2014, 387, 57-65.	0.7	17
9	Modeling pressure losses for Newtonian and non-Newtonian laminar and turbulent flow in long square edged orifices. <i>Chemical Engineering Research and Design</i> , 2012, 90, 863-869.	2.7	15
10	Pressure Losses and Limiting Reynolds Numbers for Non-Newtonian Fluids in Short Square-Edged Orifice Plates. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2012, 134, .	0.8	14
11	Hydrothermal precipitation of $\text{Fe}^{2+}$ -FeOOH nanostructure(s) in mixed solvent: study of their morphological and structural evolution. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	14
12	Rapid and large-scale synthesis of $\text{Co}_3\text{O}_4$ octahedron particles with very high catalytic activity, good supercapacitance and unique magnetic properties. <i>RSC Advances</i> , 2015, 5, 104991-105002.	1.7	13
13	Prediction of non-Newtonian head losses through diaphragm valves at different opening positions. <i>Chemical Engineering Research and Design</i> , 2010, 88, 959-970.	2.7	11
14	$\text{Co}_3\text{O}_4/\text{TiO}_2$ hetero-structure for methyl orange dye degradation. <i>Water Science and Technology</i> , 2019, 79, 947-957.	1.2	11
15	Critical process parameters and their interactions on the continuous hydrothermal synthesis of ironoxide nanoparticles. <i>Chemical Engineering Journal</i> , 2015, 281, 312-321.	6.6	9
16	In-line rheological characterisation of wastewater sludges using non-invasive ultrasound sensor technology. <i>Water S A</i> , 2015, 41, 683.	0.2	8
17	Charge transfer between biogenic jarosite derived $\text{Fe}^{3+}$ and $\text{TiO}_2$ enhances visible light photocatalytic activity of $\text{TiO}_2$ . <i>Journal of Environmental Sciences</i> , 2017, 54, 256-267.	3.2	8
18	Non-Newtonian fluid flow from bottom of tank using orifices of different shapes. <i>Chemical Engineering Research and Design</i> , 2020, 157, 34-45.	2.7	8

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19	Evaluating resistance coefficients of straight-through diaphragm control valves. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 704-714.	0.9	7
20	Dynamic similarity for non-Newtonian fluids in globe valves. <i>Chemical Engineering Research and Design</i> , 2009, 87, 291-297.	2.7	7
21	Resistance Coefficients for Non-Newtonian Flows in Pipe Fittings. , 0, , .		5
22	Commissioning of a novel in-line rheometry system in a wastewater treatment plant for more efficient polymer dosing. <i>Flow Measurement and Instrumentation</i> , 2019, 65, 309-317.	1.0	5
23	A feasibility study of in-line rheological characterisation of a wastewater sludge using ultrasound technology. <i>Water S A</i> , 2014, 40, 579.	0.2	4
24	Effect of fly ash size fraction on the potential to neutralise acid mine drainage and rheological properties of sludge. <i>Desalination and Water Treatment</i> , 2014, 52, 6947-6955.	1.0	3
25	Is the combination of two particles with different degrees of hydrophobicity an alternative method for tuning the average particle hydrophobicity?. <i>Journal of Molecular Liquids</i> , 2020, 313, 113444.	2.3	3
26	Prediction of filtrate suspended solids and solids capture based on operating parameters for belt filter press. <i>Chemical Engineering Research and Design</i> , 2018, 134, 268-276.	2.7	2
27	Green-synthesized ZnO via Hyphaene thebaica fruit extracts: Structure & catalytic effect on the ozonation of Coralene Rubine-S2G azo disperse dye. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100515.	1.7	2
28	Transitional flow of non-Newtonian fluids in open channels of different cross-sectional shapes. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 2171-2189.	0.8	1
29	Effectiveness of Fractal Orifices for Flow Measurement. , 2012, , .		0
30	Î²-FeOOH/TiO <sub>2</sub> Heterojunction for Visible Light-Driven Photocatalytic Inactivation of E. coli. , 2016, , .		0
31	Effect of cobalt complexes on cobalt oxide particles for the activation of peroxymonosulphate in textile wastewater treatment. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2831-2846.	1.8	0
32	Meeting of the Southern African Society of Rheology: SASOR 2010. <i>Applied Rheology</i> , 2011, 21, 47-47.	3.5	0