

# Cristian Predescu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7342328/publications.pdf>

Version: 2024-02-01

59  
papers

1,037  
citations

471061

17  
h-index

454577

30  
g-index

59  
all docs

59  
docs citations

59  
times ranked

872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional Membranes—A Versatile Approach for Emerging Pollutants Removal. <i>Membranes</i> , 2022, 12, 67.	1.4	11
2	Comparative Evaluation of the TRIP Effect in Steels with Different Contents of Mn and Al. <i>Metals</i> , 2022, 12, 443.	1.0	2
3	Natural Polymers and Their Nanocomposites Used for Environmental Applications. <i>Nanomaterials</i> , 2022, 12, 1707.	1.9	17
4	An Innovative Method of Converting Ferrous Mill Scale Wastes into Superparamagnetic Nanoadsorbents for Water Decontamination. <i>Materials</i> , 2021, 14, 2539.	1.3	8
5	PLA-Based Materials Containing Bio-Plasticizers and Chitosan Modified with Rosehip Seed Oil for Ecological Packaging. <i>Polymers</i> , 2021, 13, 1610.	2.0	20
6	Electrospun Nanosystems Based on PHBV and ZnO for Ecological Food Packaging. <i>Polymers</i> , 2021, 13, 2123.	2.0	17
7	Novel Adsorbent Based on Banana Peel Waste for Removal of Heavy Metal Ions from Synthetic Solutions. <i>Materials</i> , 2021, 14, 3946.	1.3	14
8	Valorization of Agri-Food Wastes as Sustainable Eco-Materials for Wastewater Treatment: Current State and New Perspectives. <i>Materials</i> , 2021, 14, 4581.	1.3	22
9	Sustainable Coated Nanostructures Based on Alginate and Electrospun Collagen Loaded with Antimicrobial Agents. <i>Coatings</i> , 2021, 11, 121.	1.2	4
10	Bioactive Collagen Hydrolysate-Chitosan/Essential Oil Electrospun Nanofibers Designed for Medical Wound Dressings. <i>Pharmaceutics</i> , 2021, 13, 1939.	2.0	23
11	Adsorption of Copper (II) from Aqueous Solutions with Alginate/Clay Hybrid Materials. <i>Materials</i> , 2021, 14, 7187.	1.3	10
12	New Nanofibers Based on Protein By-Products with Bioactive Potential for Tissue Engineering. <i>Materials</i> , 2020, 13, 3149.	1.3	13
13	Removal of Heavy Metals from Wastewaters: A Challenge from Current Treatment Methods to Nanotechnology Applications. <i>Toxics</i> , 2020, 8, 101.	1.6	67
14	Properties of Cu-xFe <sub>3</sub> O <sub>4</sub> Nanocomposites for Electrical Application. <i>Materials</i> , 2020, 13, 3086.	1.3	4
15	Sustainable Rabbit Skin Glue to Produce Bioactive Nanofibers for Nonactive Wound Dressings. <i>Materials</i> , 2020, 13, 5388.	1.3	6
16	Effect of Styrene-Diene Block Copolymers and Glass Bubbles on the Post-Consumer Recycled Polypropylene Properties. <i>Materials</i> , 2020, 13, 543.	1.3	8
17	Development of Bionanocomposites Based on PLA, Collagen and AgNPs and Characterization of Their Stability and In Vitro Biocompatibility. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2265.	1.3	12
18	Midtown splines: An optimal charge assignment for electrostatics calculations. <i>Journal of Chemical Physics</i> , 2020, 153, 224117.	1.2	1

#	ARTICLE	IF	CITATIONS
19	Adsorption of Lead(II) from Aqueous Solution Using Chitosan and Polyvinyl Alcohol Blends. <i>Analytical Letters</i> , 2019, 52, 2365-2392.	1.0	16
20	Removal of Chromium(VI) from Aqueous Solution Using a Novel Green Magnetic Nanoparticle "Chitosan Adsorbent. <i>Analytical Letters</i> , 2019, 52, 2416-2438.	1.0	10
21	Remediation of Wastewater with Ultraviolet Irradiation Using a Novel Titanium (IV) Oxide Photocatalyst. <i>Analytical Letters</i> , 2019, 52, 2180-2187.	1.0	3
22	Synthesis and characterization of bimodal structured Cu-Fe <sub>3</sub> O <sub>4</sub> nanocomposites. <i>Powder Technology</i> , 2019, 342, 938-953.	2.1	5
23	Synthesis and characterization of dextran-coated iron oxide nanoparticles. <i>Royal Society Open Science</i> , 2018, 5, 171525.	1.1	99
24	Characterization of Magnetic Nanoiron Oxides for the Removal of Metal Ions from Aqueous Solution. <i>Analytical Letters</i> , 2017, 50, 2822-2838.	1.0	3
25	Recycled Polypropylene Improved with Thermoplastic Elastomers. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-10.	1.2	21
26	Experimental and Theoretical Aspects of Nanostructuring by Multiaxial Forging. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 1744-1750.	0.4	5
27	METHODS FOR HEAVY METALS (HM) EXTRACTION FROM SLUDGE SAMPLES AND THEIR USE FOR SOIL UPGRADING. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 2469-2474.	0.2	1
28	MAGNETIC NANOPARTICLES USED IN ENVIRONMENTAL ENGINEERING FOR Pb AND Zn REMOVAL. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 1019-1025.	0.2	5
29	Metallurgical Characterization of the Failed Motor Shaft Component from an Electric Surgical Motor used in Orthopedic Surgery. <i>Key Engineering Materials</i> , 2015, 638, 327-332.	0.4	0
30	APPLICATION OF MAGNETITE NANOPARTICLES AS ADSORBENT FOR Cr, Cd, Ni AND Cu FROM AQUEOUS SOLUTIONS. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 1001-1010.	0.2	3
31	Characterization and Application Results of Two Magnetic Nanomaterials. <i>Journal of Environmental Quality</i> , 2013, 42, 129-136.	1.0	5
32	Functionalized Nano-Magnetic Particles Used for Metals Removals from Aqueous Solutions. <i>Advanced Science Letters</i> , 2013, 19, 264-267.	0.2	0
33	Computationally efficient molecular dynamics integrators with improved sampling accuracy. <i>Molecular Physics</i> , 2012, 110, 967-983.	0.8	20
34	Sampling diffusive transition paths. <i>Journal of Chemical Physics</i> , 2007, 126, 144102.	1.2	25
35	Entropic effects in large-scale Monte Carlo simulations. <i>Physical Review E</i> , 2007, 76, 016704.	0.8	1
36	Highly Optimized Fourth-Order Short-Time Approximation for Path Integrals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 667-670.	1.2	13

#	ARTICLE	IF	CITATIONS
37	Quantum mechanical single molecule partition function from path integral Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 2006, 124, 234101.	1.2	17
38	SPATIALLY-DISCRETIZED HIGH-TEMPERATURE APPROXIMATIONS AND THEIR O(N) IMPLEMENTATION ON A GRID. <i>Journal of Theoretical and Computational Chemistry</i> , 2006, 05, 255-280.	1.8	4
39	Comment on "Path-integral virial estimator based on the scaling of fluctuation coordinates: Application to quantum clusters with fourth-order propagators". <i>J. Chem. Phys.</i> 123, 104101 (2005)]. <i>Journal of Chemical Physics</i> , 2005, 123, 217102.	1.2	1
40	Thermodynamics and equilibrium structure of Ne <sub>38</sub> cluster: Quantum mechanics versus classical. <i>Journal of Chemical Physics</i> , 2005, 122, 154305.	1.2	68
41	Moments of spectral functions: Monte Carlo evaluation and verification. <i>Physical Review E</i> , 2005, 72, 056709.	0.8	1
42	L�vy-Ciesielski random series as a useful platform for Monte Carlo path integral sampling. <i>Physical Review E</i> , 2005, 71, 046707.	0.8	3
43	Fast sampling algorithm for Lie-Trotter products. <i>Physical Review E</i> , 2005, 71, 045701.	0.8	9
44	On the Efficiency of Exchange in Parallel Tempering Monte Carlo Simulations. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4189-4196.	1.2	84
45	Optimal Choice of Dividing Surface for the Computation of Quantum Reaction Rates. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6491-6499.	1.2	12
46	Existence of short-time approximations of any polynomial order for the computation of density matrices by path integral methods. <i>Physical Review E</i> , 2004, 69, 056701.	0.8	18
47	Reconstruction of thermally symmetrized quantum autocorrelation functions from imaginary-time data. <i>Physical Review E</i> , 2004, 70, 066705.	0.8	12
48	Reconstruction of silicon surfaces: A stochastic optimization problem. <i>Physical Review B</i> , 2004, 70, .	1.1	32
49	The incomplete beta function law for parallel tempering sampling of classical canonical systems. <i>Journal of Chemical Physics</i> , 2004, 120, 4119-4128.	1.2	95
50	Energy estimators for random series path-integral methods. <i>Journal of Chemical Physics</i> , 2003, 119, 10475-10488.	1.2	24
51	Numerical implementation of some reweighted path integral methods. <i>Journal of Chemical Physics</i> , 2003, 119, 4641-4654.	1.2	25
52	Random series and discrete path integral methods: The L�vy-Ciesielski implementation. <i>Physical Review E</i> , 2003, 67, 026124.	0.8	16
53	Heat capacity estimators for random series path-integral methods by finite-difference schemes. <i>Journal of Chemical Physics</i> , 2003, 119, 12119-12128.	1.2	57
54	The partial averaging method. <i>Journal of Mathematical Physics</i> , 2003, 44, 1226-1239.	0.5	11

#	ARTICLE	IF	CITATIONS
55	Short Review of Recent Developments for Path Integral Techniques. AIP Conference Proceedings, 2003, , .	0.3	1
56	Local variational principle. Physical Review E, 2002, 66, 066133.	0.8	7
57	Optimal series representations for numerical path integral simulations. Journal of Chemical Physics, 2002, 117, 7448-7463.	1.2	41
58	The Experimental Determination of the Friction Stress between the Semi-Product and the Active Plate at the Multiaxial Forging of Copper. Materials Science Forum, 0, 803, 216-221.	0.3	5
59	Failure Analysis of a Metallic Component Used in Hospital Cooling Equipment. Key Engineering Materials, 0, 638, 310-315.	0.4	0