

# Erin R Bobicki

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6586886/publications.pdf>

Version: 2024-02-01

24  
papers

974  
citations

687220

13  
h-index

610775

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon capture and storage using alkaline industrial wastes. <i>Progress in Energy and Combustion Science</i> , 2012, 38, 302-320.	15.8	436
2	Ethylene Electrosynthesis: A Comparative Techno-economic Analysis of Alkaline vs Membrane Electrode Assembly vs CO <sub>2</sub> → CO + C <sub>2</sub> H <sub>4</sub> Tandems. <i>ACS Energy Letters</i> , 2021, 6, 997-1002.	8.8	129
3	Probing Anisotropic Surface Properties and Interaction Forces of Chrysotile Rods by Atomic Force Microscopy and Rheology. <i>Langmuir</i> , 2014, 30, 10809-10817.	1.6	60
4	3D Printing of Vascular Tubes Using Bioelastomer Prepolymers by Freeform Reversible Embedding. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1333-1343.	2.6	40
5	Effect of microwave pre-treatment on ultramafic nickel ore slurry rheology. <i>Minerals Engineering</i> , 2014, 61, 97-104.	1.8	34
6	Microwave heating of ultramafic nickel ores and mineralogical effects. <i>Minerals Engineering</i> , 2014, 58, 22-25.	1.8	33
7	Slurry rheology in mineral processing unit operations: A critical review. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2102-2120.	0.9	33
8	Microwave heating of magnesium silicate minerals. <i>Powder Technology</i> , 2018, 339, 1-7.	2.1	29
9	One-Pot Synthesis of Unsaturated Polyester Bioelastomer with Controllable Material Curing for Microscale Designs. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900245.	3.9	23
10	Microwave Treatment of Ultramafic Nickel Ores: Heating Behavior, Mineralogy, and Comminution Effects. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 524.	0.8	22
11	Mineral carbon storage in pre-treated ultramafic ores. <i>Minerals Engineering</i> , 2015, 70, 43-54.	1.8	21
12	CO <sub>2</sub> storage in saline aquifers by dissolution and residual trapping under supercritical conditions: An experimental investigation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 548, 37-45.	2.3	21
13	Adsorption of enhanced oil recovery polymer, schizophyllan, over carbonate minerals. <i>Carbohydrate Polymers</i> , 2020, 240, 116263.	5.1	15
14	A comparative study of biopolymer adsorption on model anisotropic clay surfaces using quartz crystal microbalance with dissipation (QCM-D). <i>Journal of Colloid and Interface Science</i> , 2022, 615, 543-553.	5.0	14
15	Ligand-promoted dissolution of serpentine in ultramafic nickel ores. <i>Minerals Engineering</i> , 2014, 64, 109-119.	1.8	10
16	A comparison study between bioflocclulants and PAM for dewatering of ultrafine phyllosilicate clay minerals. <i>Applied Clay Science</i> , 2022, 218, 106409.	2.6	9
17	Diethylenetriamine as a selective pyrrhotite depressant: Properties, application, and mitigation strategies. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 1316-1333.	0.9	8
18	Mineral carbonation for serpentine mitigation in nickel processing: a step towards industrial carbon capture and storage. <i>Faraday Discussions</i> , 2021, 230, 172-186.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Application of Green additives for enhanced oil recovery: Cellulosic nanocrystals as fluid diversion agents in carbonate reservoirs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124422.	2.3	7
20	Beneficiation of Nickel from Ultramafic Ores: Using Sodium Citrate as a Green Processing Reagent. <i>Resources, Conservation and Recycling</i> , 2022, 186, 106496.	5.3	6
21	Modulation of soft glassy dynamics in aqueous suspensions of an anisotropic charged swelling clay through pH adjustment. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 860-872.	5.0	4
22	Decarbonization of mineral processing operations: Realizing the potential of carbon capture and utilization in the processing of ultramafic nickel ores. <i>Chemical Engineering Journal</i> , 2022, 433, 134203.	6.6	4
23	Surface interaction between phyllosilicate particles and sustainable polymers in flotation and flocculation. <i>RSC Advances</i> , 2022, 12, 3708-3715.	1.7	4
24	Physical aging in aqueous nematic gels of a swelling nanoclay: sol (phase) to gel (state) transition. <i>Physical Chemistry Chemical Physics</i> , 2021, , .	1.3	0