

# Patrick M Barboun

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Inelastic Neutron Scattering Observation of Plasma-Promoted Nitrogen Reduction Intermediates on Ni/Al <sub>2</sub> O <sub>3</sub> . ACS Energy Letters, 2021, 6, 2048-2053.	17.4	20
2	Plasma-Catalytic Ammonia Synthesis beyond the Equilibrium Limit. ACS Catalysis, 2020, 10, 6726-6734.	11.2	78
3	Unconventional Catalytic Approaches to Ammonia Synthesis. Annual Review of Chemical and Biomolecular Engineering, 2020, 11, 503-521.	6.8	20
4	Development of a small-scale helical surface dielectric barrier discharge for characterizing plasma-surface interfaces. Journal Physics D: Applied Physics, 2020, 53, 275201.	2.8	4
5	Distinguishing Plasma Contributions to Catalyst Performance in Plasma-Assisted Ammonia Synthesis. ACS Sustainable Chemistry and Engineering, 2019, 7, 8621-8630.	6.7	98
6	The impact of transition metal catalysts on macroscopic dielectric barrier discharge (DBD) characteristics in an ammonia synthesis plasma catalysis reactor. Journal Physics D: Applied Physics, 2019, 52, 224002.	2.8	57
7	Catalysis Enabled by Plasma Activation of Strong Chemical Bonds: A Review. ACS Energy Letters, 2019, 4, 1115-1133.	17.4	212
8	Overcoming ammonia synthesis scaling relations with plasma-enabled catalysis. Nature Catalysis, 2018, 1, 269-275.	34.4	348