

# Patrick M Barboun

## List of Publications by Year in descending order

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8  
papers

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1307594  
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docs citations

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times ranked

854  
citing authors

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