

# Peter Y Hsieh

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

216  
citations

1478505

6  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation between the critical viscosity and ash fusion temperatures of coal gasifier ashes. Fuel Processing Technology, 2016, 142, 13-26.	7.2	57
2	A perspective on the origin of lubricity in petroleum distillate motor fuels. Fuel Processing Technology, 2015, 129, 52-60.	7.2	43
3	Analysis of Marine Diesel Fuel with the Advanced Distillation Curve Method. Energy & Fuels, 2013, 27, 804-810.	5.1	22
4	Chemical and Thermophysical Characterization of an Algae-Based Hydrotreated Renewable Diesel Fuel. Energy & Fuels, 2014, 28, 3192-3205.	5.1	19
5	Sintering and collapse of synthetic coal ash and slag cones as observed through constant heating rate optical dilatometry. Fuel, 2019, 235, 567-576.	6.4	12
6	Corrosion protection of steel pipelines with metal-polymer composite barrier liners. Journal of Natural Gas Science and Engineering, 2020, 81, 103407.	4.4	12
7	Pressure-controlled advanced distillation curve analysis and rotational viscometry of swine manure pyrolysis oil. Fuel, 2014, 132, 1-6.	6.4	7
8	Dc Magnetron Reactive Sputtering of Low Stress Aln Piezoelectric Thin Films for Mems Application. Materials Research Society Symposia Proceedings, 1998, 546, 165.	0.1	6
9	Measuring Sulfur Content and Corrosivity of North American Petroleum with the Advanced Distillation Curve Method. Energy & Fuels, 2014, 28, 1868-1883.	5.1	6
10	Direct Measurement of Trace Polycyclic Aromatic Hydrocarbons in Diesel Fuel with <sup>1</sup> H and <sup>13</sup> C NMR Spectroscopy: Effect of PAH Content on Fuel Lubricity. Energy & Fuels, 2015, 29, 4289-4297.	5.1	6
11	Effects of temperature non-uniformity and effective viscosity on pyrometric cone deformation. International Journal of Ceramic Engineering & Science, 2019, 1, 216-226.	1.2	6
12	Viscous deformation as a measure of heat work during coal ash fusibility testing. Fuel, 2020, 281, 118723.	6.4	6
13	Electrical properties of gadolinia-doped ceria for electrodes for magnetohydrodynamic energy systems. SN Applied Sciences, 2020, 2, 1.	2.9	6
14	Mechanism of Porosity Formation in Transfer Films in Electromagnetic Launchers. IEEE Transactions on Magnetics, 2009, 45, 319-321.	2.1	4
15	Estimating the Iron Valence Distribution of Synthetic Coal Ash Slags through Thermophysical Modeling. Energy & Fuels, 2022, 36, 7483-7494.	5.1	2
16	Bismuth Lubrication of Rail-Armature Interface. , 2007, , 1045.		1
17	Thermophysical modeling of raw glaze liquidus temperature and viscosity. International Journal of Applied Glass Science, 0, , .	2.0	1
18	Application of High-Speed Video and Spectroscopy to Railgun Development. Materials and Manufacturing Processes, 2012, 27, 846-851.	4.7	0

#	ARTICLE	IF	CITATIONS
19	High Temperature Corrosion Stability of Ceramic Materials for Magnetohydrodynamic Generators. Materials Performance and Characterization, 2022, 11, 127-138.	0.3	0