

# Szymon Sobek

## List of Publications by Year in descending order

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13  
papers

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citations

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416  
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#	ARTICLE	IF	CITATIONS
1	Kinetic modelling of waste wood devolatilization during pyrolysis based on thermogravimetric data and solar pyrolysis reactor performance. <i>Fuel</i> , 2020, 261, 116459.	6.4	87
2	Solar pyrolysis of waste biomass: Part 1 reactor design. <i>Renewable Energy</i> , 2019, 143, 1939-1948.	8.9	56
3	Gasification of sewage sludge within a circular economy perspective: a Polish case study. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35422-35432.	5.3	48
4	Solar pyrolysis of waste biomass: Part 2 kinetic modeling and methodology of the determination of the kinetic parameters for solar pyrolysis of sewage sludge. <i>Renewable Energy</i> , 2020, 153, 962-974.	8.9	26
5	Isoconversional determination of the apparent reaction models governing pyrolysis of wood, straw and sewage sludge, with an approach to rate modelling. <i>Renewable Energy</i> , 2020, 161, 972-987.	8.9	25
6	Solar pyrolysis of waste biomass: A comparative study of products distribution, in situ heating behavior, and application of model-free kinetic predictions. <i>Fuel</i> , 2021, 292, 120365.	6.4	23
7	Fuel characterization and thermal degradation kinetics of biomass from phytoremediation plants. <i>Biomass and Bioenergy</i> , 2020, 134, 105469.	5.7	19
8	Energy crops for sustainable phytoremediation – Thermal decomposition kinetics. <i>Energy Procedia</i> , 2019, 158, 873-878.	1.8	14
9	Energy crops for sustainable phytoremediation – Fuel characterization. <i>Energy Procedia</i> , 2019, 158, 867-872.	1.8	13
10	Comparative Review of Artificial Light Sources for Solar-Thermal Biomass Conversion Research Applications. <i>Ecological Chemistry and Engineering S</i> , 2019, 26, 443-453.	1.5	8
11	Application of inverse methodology to estimate unknown parameters of the mathematical model of biomass solar pyrolysis. <i>Renewable Energy</i> , 2021, 163, 858-869.	8.9	6
12	Technical and economic assessment of ORC and cogeneration including a combined variant – A case study for the Polish automotive fastener industry company. <i>Energy</i> , 2022, 242, 123020.	8.8	2
13	Experimental and numerical analysis of the biomass innovativ solar pyrolysis process. <i>E3S Web of Conferences</i> , 2019, 137, 01004.	0.5	0