

# Aaron Johnson

## List of Publications by Year in descending order

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13  
papers

158  
citations

1478505

6  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of Bioresorbable Mg <sup>4</sup> Zn <sup>1</sup> Sr Intramedullary Pins and Associated Biological Responses in Vitro and in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44332-44355.	8.0	34
2	Full-length p53 tetramer bound to DNA and its quaternary dynamics. <i>Oncogene</i> , 2017, 36, 1451-1460.	5.9	29
3	Education for sustainability: Developing a taxonomy of the key principles for sustainable process and product design. <i>Computers and Chemical Engineering</i> , 2015, 81, 147-152.	3.8	21
4	Impacts of Lipase Enzyme on the Surface Properties of Marine Aerosols. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3839-3849.	4.6	19
5	A Perspective on Challenges and Prospects for Applying Process Systems Engineering Tools to Fermentation-Based Biorefineries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2829-2844.	6.7	10
6	Mechanistic simulation of batch acetone <sup>butanol</sup> ethanol (ABE) fermentation with in situ gas stripping using Aspen Plus <sup>®</sup> . <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1283-1294.	3.4	10
7	Synthesis and Crystal Structures of Volatile Neptunium(IV) <sup>12</sup> -Diketonates. <i>Inorganic Chemistry</i> , 2017, 56, 13553-13561.	4.0	7
8	Mass Transfer and Rheological Characteristics in a Stirred Tank Bioreactor for Cultivation of <i>Escherichia coli</i> BL21. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 766-776.	2.6	7
9	Incorporating environmental impact assessment into conceptual process design: A case study example. <i>Environmental Progress and Sustainable Energy</i> , 2009, 28, 30-37.	2.3	6
10	Interactions between Extractant Molecules: Organic-Phase Thermodynamics of TALSPEAK <sup>®</sup> MME. <i>Solvent Extraction and Ion Exchange</i> , 2017, 35, 35-48.	2.0	5
11	Evaluation of volumetric mass transfer coefficient in a stirred tank bioreactor using response surface methodology. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 387-401.	2.3	5
12	Multi-objective versus single-objective optimization of batch bioethanol production based on a time-dependent fermentation model. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1271-1285.	4.1	4
13	Process Simulations Supporting a Techno-Economic Framework to Optimize Biorefinery Supply Chains. <i>Computer Aided Chemical Engineering</i> , 2015, , 1985-1990.	0.5	1