

# Laura Leay

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4253380/publications.pdf>

Version: 2024-02-01

12  
papers

205  
citations

1307594

7  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymers of Intrinsic Microporosity Containing Trifluoromethyl Groups as a Lewis Base for CO <sub>2</sub> Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 16939-16950.	3.7	60
2	Effect of ionising radiation on the mechanical and structural properties of 3D printed plastics. <i>Additive Manufacturing</i> , 2020, 31, 100907.	3.0	25
3	Development of irradiation capabilities to address the challenges of the nuclear industry. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2015, 343, 62-69.	1.4	24
4	Organic and Third Phase in HNO <sub>3</sub> /TBP/n-Dodecane System: No Reverse Micelles. <i>Solvent Extraction and Ion Exchange</i> , 2017, 35, 251-265.	2.0	24
5	Geopolymers from fly ash and their gamma irradiation. <i>Materials Letters</i> , 2018, 227, 240-242.	2.6	20
6	Gamma irradiation-induced defects in borosilicate glasses for high-level radioactive waste immobilisation. <i>Journal of Nuclear Materials</i> , 2021, 544, 152702.	2.7	19
7	The behaviour of tributyl phosphate in an organic diluent. <i>Molecular Physics</i> , 2014, 112, 2203-2214.	1.7	13
8	Long term effects of gamma irradiation on in-service concrete structures. <i>Journal of Nuclear Materials</i> , 2021, 548, 152868.	2.7	6
9	Single Polymer Chain Surface Area as a Descriptor for Rapid Screening of Microporous Polymers for Gas Adsorption. <i>Adsorption Science and Technology</i> , 2013, 31, 99-112.	3.2	4
10	Bubble formation in nuclear glasses: A review. <i>Journal of Materials Research</i> , 2019, 34, 905-920.	2.6	4
11	Evidence for pore water composition controlling carbonate morphology in concrete and the further effect of gamma radiation. <i>Construction and Building Materials</i> , 2021, 275, 122049.	7.2	4
12	Resurgence of a Nation's Radiation Science Driven by Its Nuclear Industry Needs. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11081.	2.5	2