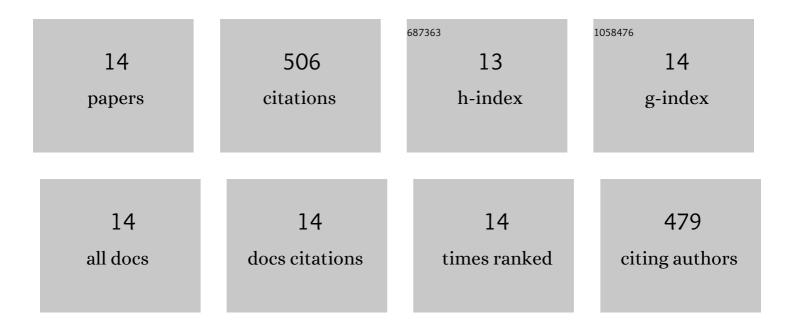


## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Development of cold spray chromium coatings for improved accident tolerant zirconium-alloy cladding. Journal of Nuclear Materials, 2019, 519, 247-254.	2.7	79
2	Evaluation of steam corrosion and water quenching behavior of zirconium-silicide coated LWR fuel claddings. Journal of Nuclear Materials, 2018, 499, 256-267.	2.7	54
3	Characterization of structural defects in nuclear graphite IG-110 and NBG-18. Journal of Nuclear Materials, 2014, 446, 193-199.	2.7	53
4	Development of Cold Spray Coatings for Accident-Tolerant Fuel Cladding in Light Water Reactors. Jom, 2018, 70, 198-202.	1.9	52
5	Synthesis and sintering of UN-UO2 fuel composites. Journal of Nuclear Materials, 2015, 466, 745-754.	2.7	48
6	Magnetron sputter deposition of zirconium-silicide coating for mitigating high temperature oxidation of zirconium-alloy. Surface and Coatings Technology, 2017, 316, 30-38.	4.8	40
7	Quantifying the three-dimensional damage and stress redistribution mechanisms of braided SiC/SiC composites by in situ volumetric digital image correlation. Scripta Materialia, 2017, 130, 238-241.	5.2	37
8	Inhibition effect and mechanism of polyacrylamide for steel corrosion in simulated concrete pore solution. Construction and Building Materials, 2020, 259, 120425.	7.2	34
9	Influence of sulfate salt type on passive film of steel in simulated concrete pore solution. Construction and Building Materials, 2019, 223, 352-359.	7.2	32
10	Phase and defect evolution in uranium-nitrogen-oxygen system under irradiation. Acta Materialia, 2021, 208, 116778.	7.9	21
11	Nanocrystalline diamond protects Zr cladding surface against oxygen and hydrogen uptake: Nuclear fuel durability enhancement. Scientific Reports, 2017, 7, 6469.	3.3	16
12	Zr alloy protection against high-temperature oxidation: Coating by a double-layered structure with active and passive functional properties. Corrosion Science, 2020, 163, 108270.	6.6	15
13	Unveiling hermetic failure of ceramic tubes by digital image correlation and acoustic emission. Journal of the American Ceramic Society, 2020, 103, 2146-2159.	3.8	13
14	Purification effect of the methods used for the preparation of the ultra-high purity graphite. Diamond and Related Materials, 2021, 120, 108704.	3.9	12