

# Valerie Izzo

## List of Publications by Year in descending order

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15  
papers

718  
citations

759233

12  
h-index

996975

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g-index

16  
all docs

16  
docs citations

16  
times ranked

601  
citing authors

#	ARTICLE	IF	CITATIONS
1	Status of research toward the ITER disruption mitigation system. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	182
2	Overview of the SPARC tokamak. <i>Journal of Plasma Physics</i> , 2020, 86, .	2.1	181
3	Magnetohydrodynamic simulations of massive gas injection into Alcator C-Mod and DIII-D plasmas. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	62
4	Experiments in DIII-D toward achieving rapid shutdown with runaway electron suppression. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	57
5	Impurity mixing and radiation asymmetry in massive gas injection simulations of DIII-D. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	48
6	Relationship between locked modes and thermal quenches in DIII-D. <i>Nuclear Fusion</i> , 2018, 58, 056022.	3.5	37
7	MHD stability and disruptions in the SPARC tokamak. <i>Journal of Plasma Physics</i> , 2020, 86, .	2.1	31
8	Analysis of shot-to-shot variability in post-disruption runaway electron currents for diverted DIII-D discharges. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 095002.	2.1	22
9	Radiation asymmetries during disruptions on DIII-D caused by massive gas injection. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	22
10	The effect of pre-existing islands on disruption mitigation in MHD simulations of DIII-D. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	19
11	Modeling of rapid shutdown in the DIII-D tokamak by core deposition of high-Z material. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	15
12	Interpretive MHD modeling of dispersive shell pellet injection for rapid shutdown in tokamaks. <i>Nuclear Fusion</i> , 2020, 60, 066023.	3.5	15
13	Simulations of the effects of pre-seeded magnetic islands on the generation of runaway current during disruption on J-TEXT. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	12
14	Poloidal radiation asymmetries during disruption mitigation by massive gas injection on the DIII-D tokamak. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	11
15	Dispersive shell pellet injection modeling and validation for DIII-D disruption mitigation. <i>Physics of Plasmas</i> , 2021, 28, 082502.	1.9	4