

# Valerie Izzo

## List of Publications by Year in descending order

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15  
papers

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759233

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docs citations

16  
times ranked

601  
citing authors

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