

John Allen

List of Publications by Year in descending order

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15
papers

747
citations

1307594

7
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

494
citing authors

#	ARTICLE	IF	CITATIONS
1	The expansion of a plasma into a vacuum. <i>Journal of Plasma Physics</i> , 1975, 14, 65-76.	2.1	317
2	The structure of strong collision-free hydromagnetic waves. <i>Philosophical Magazine and Journal</i> , 1958, 3, 448-455.	1.7	234
3	The plasma sheath boundary: its history and Langmuir's definition of the sheath edge. <i>Plasma Sources Science and Technology</i> , 2009, 18, 014004.	3.1	78
4	An Elementary Theory of the Transient Pinched Discharge. <i>Proceedings of the Physical Society Section B</i> , 1957, 70, 24-30.	0.9	41
5	Collision-free Hydromagnetic Disturbances of Large Amplitude in a Plasma. <i>Proceedings of the Physical Society</i> , 1960, 75, 640-648.	1.6	22
6	Electrohydrodynamic stability of a plasma-liquid interface. <i>Applied Physics Letters</i> , 2018, 112, 024101.	3.3	15
7	Production of Continuous High-Current Discharges in Gases. <i>Nature</i> , 1962, 194, 1167-1167.	27.8	10
8	Solitary and periodic waves in collisionless plasmas: The Adlam-Allen model revisited. <i>Physical Review E</i> , 2020, 102, 013209.	2.1	7
9	Simulated dynamics of a plasma-sheath-liquid interface. <i>New Journal of Physics</i> , 2019, 21, 063002.	2.9	6
10	Plasmas generated by ultra-violet light rather than electron impact. <i>Physics of Plasmas</i> , 2013, 20, 123508.	1.9	5
11	The solitary hydromagnetic wave revisited: A demonstration of the $j\hat{A}-B$ force in a collisionless plasma. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	4
12	A study of the propagation of a solitary wave along the magnetic field in a cold collision-free plasma. <i>Physics of Plasmas</i> , 2020, 27, 042102.	1.9	4
13	Propagation of periodic wave trains along the magnetic field in a collision-free plasma. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 425701.	2.1	3
14	Cylindrical plasmas generated by an annular beam of ultraviolet light. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	1
15	The structure of the collisionless transient pinch. <i>Physics of Plasmas</i> , 2017, 24, 042111.	1.9	0