

John A Tanis

List of Publications by Year in descending order

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34
papers

699
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623188

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g-index

34
all docs

34
docs citations

34
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron capture for fast highly charged ions in gas targets: An empirical scaling rule. Physical Review A, 1983, 27, 3372-3374.	1.0	168
2	Inelastic guiding of electrons in polymer nanocapillaries. Physical Review A, 2007, 76, .	1.0	102
3	Energy dependence of electron transmission through a single glass macrocapillary. Physical Review A, 2010, 81, .	1.0	54
4	Time evolution of electron transmission through a single glass macrocapillary: Charge build-up, sudden discharge, and recovery. Physical Review A, 2011, 83, .	1.0	41
5	Dielectronic recombination of ground-state and metastable Li ⁺ ions. Physical Review A, 1999, 60, R3350-R3353.	1.0	32
6	Suppression of primary electron interferences in the ionization of N^{2+} by u protons. Physical Review A, 2008, 78, .	1.0	31
7	Angular and high-frequency analysis of electron interference structures in $^{40}\text{MeV} \cdot u\text{Kr}^{34++}\text{H}_2$ collisions. Physical Review A, 2006, 74, .	1.0	28
8	Radiative Double Electron Capture in Collisions of O^{8+} with Carbon. Physical Review Letters, 2010, 104, 123001.	2.9	27
9	Interference effects in double ionization of spatially aligned hydrogen molecules by fast highly charged ions. Physical Review A, 2004, 70, .	1.0	26
10	Target-Thickness Dependence of Radiative Electron Capture in Heavy-Ion Collisions. Physical Review Letters, 1978, 40, 1174-1177.	2.9	25
11	Evidence for Pauli Exchange Leading to Excited-State Enhancement in Electron Transfer. Physical Review Letters, 2004, 92, 133201.	2.9	24
12	Single-electron capture and loss cross sections versus target Z for 1 MeV/u oxygen ions incident on gases. Physical Review A, 1989, 39, 4423-4427.	1.0	23
13	Internal dielectronic excitation in highly charged ions colliding with surfaces. Physical Review A, 2002, 65, .	1.0	23
14	Nonstatistical enhancement of the P_{1s}^{2+} state in electron transfer in $^{40}\text{MeV} \cdot u\text{Kr}^{34++}\text{H}_2$ collisions. Physical Review A, 2008, 77, .	1.0	19
15	Electron-beam transmission through a micrometer-sized tapered-glass capillary: Dependence on incident energy and angular tilt angle. Physical Review A, 2016, 94, .	1.0	10
16	Charge-changing cross sections for $^{40}\text{MeV} O^{7,8+}$ (Ar, Ne) collisions. Physical Review A, 1997, 56, 1954-1957.	1.0	9
17	Superelastic scattering of electrons from metastable He-like C^{4+} and O^{6+} ions. Physical Review A, 2002, 65, .	1.0	9
18	Elastic and inelastic transmission of electrons through insulating polyethylene terephthalate nanocapillaries. Physical Review A, 2015, 92, .	1.0	8

#	ARTICLE	IF	CITATIONS
19	Single-photon emission associated with double electron capture in F^{9+} collisions. Physical Review A, 2016, 94, .	1.0	8
20	A study of radiative double electron capture in bare chromium ions at the ESR. Physica Scripta, 2013, T156, 014048.	1.2	7
21	Transmission Of Fast Highly Charged Ions Through A Single Glass Macrocapillary. , 2011, , .		6
22	Inelastic Transmission Of Electrons Through A Single Macro-Glass Capillary And Secondary Electron Emission. , 2011, , .		5
23	Radiative Double-Electron Capture by Bare and One-Electron Ions on Gas Targets. Physical Review Letters, 2020, 124, 133401.	2.9	5
24	Single-photon emission correlated to double-electron capture by bare ions: background processes. Physica Scripta, 2013, T156, 014047.	1.2	3
25	Radiative double-electron capture for oxygen and fluorine ions colliding with thin-foil C: Effects of multiple collisions. Physical Review A, 2020, 102, .	1.0	3
26	General considerations for the $\tilde{\alpha}$ -Symposium on correlated transfer/excitation and autoionization α^{TM} . AIP Conference Proceedings, 1990, , .	0.3	1
27	Single and double electron capture associated with target K-shell ionization for F^{7+} + Ar. X-Ray Spectrometry, 2020, 49, 60-64.	0.9	1
28	Radiative double-electron capture by fully stripped and one-electron ions in gas and thin-foil targets. Physical Review A, 2021, 104, .	1.0	1
29	Testing double ionization mechanisms with highly-charged ions. AIP Conference Proceedings, 1993, , .	0.3	0
30	Electron Correlation Leading to Double-K-Shell Vacancy Production in Li-Like Ions Colliding with Helium. AIP Conference Proceedings, 2003, , .	0.3	0
31	Electron Capture and Loss Processes in Forward Electron Emission in Fast Ion-atom Collisions. , 2009, , .		0
32	Guiding of Electrons and Fast Ions through Insulating Nanocapillaries. , 2009, , .		0
33	Radiative Double Electron Capture Observed During $O^{8+}+C$ Collisions At 38 Mev. , 2011, , .		0
34	Observation of radiative double electron capture for. X-Ray Spectrometry, 2020, 49, 104-109.	0.9	0