John A Tanis

List of Publications by Year
in descending order

34	699	623188 14	552369 26
papers	citations	h-index	g-index

34	34	34	326
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Observation of radiative double electron capture for. X-Ray Spectrometry, 2020, 49, 104-109.	0.9	0
3	Single and double electron capture associated with target Kâ€shell ionization for F^{7â€‰+â€‰,8â€‰+â€‰,9+}+Ar. X-Ray Spectrometry, 2020, 49, 60-64.	0.9	1
4	Radiative Double-Electron Capture by Bare and One-Electron Ions on Gas Targets. Physical Review Letters, 2020, 124, 133401.	2.9	5
5	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
6	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
7	Single-photon emission associated with double electron capture in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="normal">F</mml:mi></mml:mrow><mml:mrow><mml:mn>9</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup><mml:mi mathvariant="normal">C</mml:mi></mml:mrow></mml:math>collisions. Physical Review A, 2016, 94, .	1.0	8
8	Elastic and inelastic transmission of electrons through insulating polyethylene terephthalate nanocapillaries. Physical Review A, 2015, 92, .	1.0	8
9	A study of radiative double electron capture in bare chromium ions at the ESR. Physica Scripta, 2013, T156, 014048.	1.2	7
10	Single-photon emission correlated to double-electron capture by bare ions: background processes. Physica Scripta, 2013, T156, 014047.	1.2	3
11	Inelastic Transmission Of Electrons Through A Single Macro-Glass Capillary And Secondary Electron Emission. , 2011, , .		5
12	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
13	Radiative Double Electron Capture Observed During O[sup 8+]+C Collisions At 38 Mev. , 2011, , .		0
14	Transmission Of Fast Highly Charged Ions Through A Single Glass Macrocapillary. , 2011, , .		6
15	Radiative Double Electron Capture in Collisions of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>with Carbon. Physical Review Letters, 2010, 104, 123001.	2.9	27
16	Energy dependence of electron transmission through a single glass macrocapillary. Physical Review A, 2010, 81, .	1.0	54
17	Electron Capture and Loss Processes in Forward Electron Emission in Fast Ion-atom Collisions. , 2009, , .		0
18	Guiding of Electrons and Fast Ions through Insulating Nanocapillaries. , 2009, , .		0

#	Article	IF	Citations
19	Statistical enhancement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mi>s</mml:mi><mml:mn>2</mml:mn><mml:mi>s</mml:mi><mml:mn>2 width="0.2em" /><mml:mmultiscripts><mml:mi>P</mml:mi><mml:mprescripts /><mml:none /><mml:mn>4</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>state in electron transfer	1.0	19
20	Suppression of primary electron interferences in the ionization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>â€“</mml:mo><mml:mn>5</mml:mn><mml:mtext>â^’</mml:mtext><mml:mi mathvariant="normal">u</mml:mi></mml:mrow></mml:math>protons. Physical Review A, 2008, 78, .	1.0	31
21	Inelastic guiding of electrons in polymer nanocapillaries. Physical Review A, 2007, 76, .	1.0	102
22	Angular and high-frequency analysis of electron interference structures inâ¼60MeVâ•uKr34++H2collisions. Physical Review A, 2006, 74, .	1.0	28
23	Evidence for Pauli Exchange Leading to Excited-State Enhancement in Electron Transfer. Physical Review Letters, 2004, 92, 133201.	2.9	24
24	Interference effects in double ionization of spatially aligned hydrogen molecules by fast highly charged ions. Physical Review A, 2004, 70, .	1.0	26
25	Electron Correlation Leading to Double-K-Shell Vacancy Production in Li-Like Ions Colliding with Helium. AIP Conference Proceedings, 2003, , .	0.3	0
26	Superelastic scattering of electrons from metastable He-likeC4+andO6+ions. Physical Review A, 2002, 65, .	1.0	9
27	Internal dielectronic excitation in highly charged ions colliding with surfaces. Physical Review A, 2002, 65, .	1.0	23
28	Dielectronic recombination of ground-state and metastable Li+ions. Physical Review A, 1999, 60, R3350-R3353.	1.0	32
29	Charge-changing cross sections for 8â€“40-MeV O^{7,8+}+(Ar, Ne) collisions. Physical Review A, 1997, 56, 1954-1957.	1.0	9
30	Testing double ionization mechanisms with highly-charged ions. AIP Conference Proceedings, 1993, , .	0.3	0
31	General considerations for the â€˜â€˜Symposium on correlated transfer/excitation and autoionizationâ€™â€™. AIP Conference Proceedings, 1990, , .	0.3	1
32	Single-electron capture and loss cross sections versus targetZfor 1 MeV/u oxygen ions incident on gases. Physical Review A, 1989, 39, 4423-4427.	1.0	23
33	Electron capture for fast highly charged ions in gas targets: An empirical scaling rule. Physical Review A, 1983, 27, 3372-3374.	1.0	168
34	Target-Thickness Dependence of Radiative Electron Capture in Heavy-Ion Collisions. Physical Review Letters, 1978, 40, 1174-1177.	2.9	25