

# Emil E Petkov

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

8

papers

22

citations

2

h-index

4

g-index

9

ext. papers

31

ext. citations

1.5

avg, IF

0.08

L-index

#	Paper	IF	Citations
8	Polarization measurements of Ne-like Mo <sup>32+</sup> x-ray lines excited by an electron beam. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2019</b> , 52, 195002	1.3	2
7	Study of pure and mixed clustered noble gas puffs irradiated with a high intensity ( $7 \times 10^{19}$ W/cm <sup>2</sup> ) sub-ps laser beam and achievement of a strong X-ray flash in a laser-generated debris-free X-ray source. <i>Laser and Particle Beams</i> , <b>2019</b> , 37, 276-287	0.9	0
6	X-Ray Line Polarization of Ne-Like Mo Spectra from X-pinch Plasmas. <i>IEEE Transactions on Plasma Science</i> , <b>2018</b> , 46, 3820-3828	1.3	2
5	Radiative Characteristics of Reversed Polarity Gas-Puff Ar and Kr Plasmas. <i>IEEE Transactions on Plasma Science</i> , <b>2018</b> , 46, 3842-3848	1.3	2
4	Influence of Xe and Kr impurities on x-ray yield from debris-free plasma x-ray sources with an Ar supersonic gas jet irradiated by femtosecond near-infrared-wavelength laser pulses. <i>Physical Review E</i> , <b>2016</b> , 94, 053203	2.4	2
3	L-shell spectroscopic diagnostics of radiation from krypton HED plasma sources. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 11E315	1.7	2
2	Characterization of pure and mixed Ar, Kr and Xe gas jets generated by different nozzles and a study of X-ray radiation yields after interaction with a sub-ps laser pulse. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 101207	2.1	4
1	Radiation from Ag high energy density Z-pinch plasmas and applications to lasing. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 031206	2.1	8