

Reviews of Modern Plasma Physics Volume 1 <https://link.springer.com/journal/41614/1/1>

Authors	Title	Article number	DOI	Sharable link
G. K. Park, et al	Shocks in collisionless plasmas	Rev. Mod. Plasma Phys. (2017) 1:1	DOI 10.1007/s41614-017-0003-4	https://rdcu.be/bGrqr
P. Kaw	Nonlinear laser–plasma interactions [Chandrasekhar Lecture]	Rev. Mod. Plasma Phys. (2017) 1:2	DOI 10.1007/s41614-017-0005-2	https://rdcu.be/bGrq0
H. Tanaka, et al.	State of the art in medical applications using non-thermal atmospheric pressure plasma	Rev. Mod. Plasma Phys. (2017) 1:3	DOI 10.1007/s41614-017-0004-3	https://rdcu.be/bGrRb
P. H. Yoon	Kinetic instabilities in the solar wind driven by temperature anisotropies	Rev. Mod. Plasma Phys. (2017) 1:4	DOI 10.1007/s41614-017-0006-1	https://rdcu.be/bGrRE
D. B. Melrose	Coherent emission mechanisms in astrophysical plasmas [Chandrasekhar Lecture]	Rev. Mod. Plasma Phys. (2017) 1:5	DOI 10.1007/s41614-017-0007-0	https://rdcu.be/bGrRY
S. Ichimaru	Phase transitions, interparticle correlations, and elementary processes in dense plasmas [Chandrasekhar Lecture]	Rev. Mod. Plasma Phys. (2017) 1:6	DOI 10.1007/s41614-017-0008-z	https://rdcu.be/bGrSf
R. Hatakeyama	Nanocarbon materials fabricated using plasmas	Rev. Mod. Plasma Phys. (2017) 1:7	DOI 10.1007/s41614-017-0009-y	https://rdcu.be/bGrtn
A. Sen	Obituary: Preshiman Krishan Kaw	Rev. Mod. Plasma Phys. (2017) 1:8	DOI 10.1007/s41614-017-0012-3	https://rdcu.be/bGrTG
H. Sugama	Modern gyrokinetic formulation of collisional and turbulent transport in toroidally rotating plasmas	Rev. Mod. Plasma Phys. (2017) 1:9	DOI 10.1007/s41614-017-0010-5	https://rdcu.be/bGrUa
Q. Zong et al.	The interaction of ultra-low-frequency pc3-5 waves with charged particles in Earth's magnetosphere	Rev. Mod. Plasma Phys. (2017) 1:10	DOI 10.1007/s41614-017-0011-4	https://rdcu.be/bGrVg

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A. Hillier	The magnetic Rayleigh–Taylor instability in solar prominences	Rev. Mod. Plasma Phys. (2018) 2:1	DOI 10.1007/s41614-017-0013-2	https://rdcu.be/bYIZi
A.E. Dubinov, et al	Above the weak nonlinearity: super-nonlinear waves in astrophysical and laboratory plasmas	Rev. Mod. Plasma Phys. (2018) 2:2	DOI 10.1007/s41614-018-0014-9	https://rdcu.be/bYIZd
J. Li, et al	Summary of magnetic fusion plasma physics in 1st AAPPS-DPP meeting	Rev. Mod. Plasma Phys. (2018) 2:3	DOI 10.1007/s41614-018-0015-8	https://rdcu.be/bYIYQ
O. Baranov, et al	Towards universal plasma-enabled platform for the advanced nanofabrication: plasma physics level approach	Rev. Mod. Plasma Phys. (2018) 2:4	DOI 10.1007/s41614-018-0016-7	https://rdcu.be/bYIYo
F. Chen, et al.	Recent progress in Asia-Pacific solar physics and astrophysics	Rev. Mod. Plasma Phys. (2018) 2:5	DOI 10.1007/s41614-018-0017-6	https://rdcu.be/bYIYj
A. Sen	Summary of basic plasma physics sessions at the first Asia Pacific Plasma Conference, 2017	Rev. Mod. Plasma Phys. (2018) 2:6	DOI 10.1007/s41614-018-0018-5	https://rdcu.be/bYIX6
D. Moseev, et al.	Recent progress in fast-ion diagnostics for magnetically confined plasmas	Rev. Mod. Plasma Phys. (2018) 2:7	DOI 10.1007/s41614-018-0019-4	https://rdcu.be/bYIXV
Z.M. Sheng	Summary of laser plasma physics sessions at the first AAPPS-DPP conference	Rev. Mod. Plasma Phys. (2018) 2:8	DOI 10.1007/s41614-018-0020-y	https://rdcu.be/bYIXH
D.F. Escande et al	Basic microscopic plasma physics from N-body mechanics - A tribute to Pierre-Simon de Laplace	Rev. Mod. Plasma Phys. (2018) 2:9	DOI 10.1007/s41614-018-0021-x	https://rdcu.be/bYIXI

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Y. Todo	Introduction to the interaction between energetic particles and Alfvén eigenmodes in toroidal plasmas	Rev. Mod. Plasma Phys. (2019) 3:1	DOI 10.1007/s41614-018-0022-9	https://rdcu.be/bYKqb
S. Fujita	Response of the magnetosphere–ionosphere system to sudden changes in solar wind dynamic pressure	Rev. Mod. Plasma Phys. (2019) 3:2	DOI 10.1007/s41614-019-0025-1	https://rdcu.be/bYKqj
K. Takahashi	Helicon-type radiofrequency plasma thrusters and magnetic plasma nozzles	Rev. Mod. Plasma Phys. (2019) 3:3	DOI 10.1007/s41614-019-0024-2	https://rdcu.be/bYKqF
M. Xu et al	Summary of the fundamental plasma physics session in the first AAPPS-DPP conference	Rev. Mod. Plasma Phys. (2019) 3:4	DOI 10.1007/s41614-019-0028-y	https://rdcu.be/bYKqI
Z. Zhang et al	A review of the characterization and optimization of ablative pulsed plasma thrusters	Rev. Mod. Plasma Phys. (2019) 3:5	DOI 10.1007/s41614-019-0027-z	https://rdcu.be/bYKq2
D.R. Lev et al	Recent progress in research and development of hollow cathodes for electric propulsion	Rev. Mod. Plasma Phys. (2019) 3:6	DOI 10.1007/s41614-019-0026-0	https://rdcu.be/bYKq7
O. Baranov, et al	Direct current arc plasma thrusters for space applications: basic physics, design and perspectives	Rev. Mod. Plasma Phys. (2019) 3:7	DOI 10.1007/s41614-019-0023-3	https://rdcu.be/bYKrl
J. Weiland et al	A. Drift wave theory for transport in tokamaks	Rev. Mod. Plasma Phys. (2019) 3:8	DOI 10.1007/s41614-019-0029-x	https://rdcu.be/bYKrm
M.Y. Tanaka	Vortex in plasma	Rev. Mod. Plasma Phys. (2019) 3:9	DOI 10.1007/s41614-019-0031-3	https://rdcu.be/bITXi
Y. Feng et al	Dynamics and transport of magnetized two-dimensional Yukawa liquids	Rev. Mod. Plasma Phys. (2019) 3:10	DOI 10.1007/s41614-019-0032-2	https://rdcu.be/bITXy
D. Kahnfeld et al	Numerical modeling of high efficiency multistage plasma thrusters for space applications	Rev. Mod. Plasma Phys. (2019) 3:11	DOI 10.1007/s41614-019-0030-4	https://rdcu.be/bYKrv
F. Taccogna et al	Latest progress in Hall thrusters plasma modelling	Rev. Mod. Plasma Phys. (2019) 3:12	DOI 10.1007/s41614-019-0033-1	https://rdcu.be/bITXF
G. Manfredi et al	Phase-space modeling of solid-state plasmas	Rev. Mod. Plasma Phys. (2019) 3:13	DOI 10.1007/s41614-019-0034-0	https://rdcu.be/bYKsa
R. Keppens et al	Ideal MHD instabilities for coronal mass ejections: interacting current channels and particle acceleration	Rev. Mod. Plasma Phys. (2019) 3:14	DOI 10.1007/s41614-019-0035-z	https://rdcu.be/bITXP
Y. Ding et al	Extending service life of hall thrusters: recent progress and future challenges	Rev. Mod. Plasma Phys. (2019) 3:15	DOI 10.1007/s41614-019-0036-y	https://rdcu.be/bITYt

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J. Hong et al	Plasma-digital nexus: plasma nanotechnology for the digital manufacturing age	Rev. Mod. Plasma Phys. (2020) 4:1	DOI 10.1007/s41614-019-0039-8	https://rdcu.be/bITX4
Y. Ebihara et al	Evolution of auroral substorm as viewed from MHD simulations: dynamics, energy transfer and energy conversion	Rev. Mod. Plasma Phys. (2020) 4:2	DOI 10.1007/s41614-019-0037-x	https://rdcu.be/bITYe
H. Saleem et al	Theoretical models for unstable IAWs and nonlinear structures in the upper ionosphere	Rev. Mod. Plasma Phys. (2020) 4:3	DOI 10.1007/s41614-019-0038-9	https://rdcu.be/bITYj
F. Sahraoui et al.	Magnetohydrodynamic and kinetic scale turbulence in the near-Earth space plasmas: a (short) biased review	Rev. Mod. Plasma Phys. (2020) 4:4	DOI 10.1007/s41614-020-0040-2	https://rdcu.be/b4uG0
T.G. Blackburn	Radiation reaction in electron–beam interactions with high-intensity lasers	Rev. Mod. Plasma Phys. (2020) 4:5	DOI 10.1007/s41614-020-0042-0	https://rdcu.be/b4uHa
A.E. Dubinov et al.	Research with plasma foci in countries of Asia, Africa, and Latin America	Rev. Mod. Plasma Phys. (2020) 4:6	DOI 10.1007/s41614-020-0041-1	https://rdcu.be/b4uHm
T. Tajima et al.	Wakefield acceleration	Rev. Mod. Plasma Phys. (2020) 4:7	DOI 10.1007/s41614-020-0043-z	https://rdcu.be/b4uHx