Eiichiro Kokubo

List of Publications by Year
in descending order

39 papers	2,179 citations	567281 15 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	1348 citing authors

#	Article	IF	Citations
1	Oligarchic Growth of Protoplanets. Icarus, 1998, 131, 171-178.	2.5	659
2	Formation of Protoplanet Systems and Diversity of Planetary Systems. Astrophysical Journal, 2002, 581, 666-680.	4.5	329
3	On Runaway Growth of Planetesimals. Icarus, 1996, 123, 180-191.	2.5	291
4	Formation of Terrestrial Planets from Protoplanets. I. Statistics of Basic Dynamical Properties. Astrophysical Journal, 2006, 642, 1131-1139.	4.5	129
5	FORMATION OF TERRESTRIAL PLANETS FROM PROTOPLANETS UNDER A REALISTIC ACCRETION CONDITION. Astrophysical Journal Letters, 2010, 714, L21-L25.	8.3	126
6	Formation of Terrestrial Planets from Protoplanets. II. Statistics of Planetary Spin. Astrophysical Journal, 2007, 671, 2082-2090.	4.5	64
7	Formation of close-in super-Earths in evolving protoplanetary disks due to disk winds. Astronomy and Astrophysics, 2018, 615, A63.	5.1	64
8	The Stability of Protoplanet Systems. Icarus, 1999, 139, 328-335.	2.5	55
9	The infrared Doppler (IRD) instrument for the Subaru telescope: instrument description and commissioning results. , 2018, , .		44
10	Formation of Close-in Super-Earths by Giant Impacts: Effects of Initial Eccentricities and Inclinations of Protoplanets. Astronomical Journal, 2017, 154, 27.	4.7	40
11	<i>N</i>-BODY SIMULATION OF PLANETESIMAL FORMATION THROUGH GRAVITATIONAL INSTABILITY OF A DUST LAYER IN LAMINAR GAS DISK. Astrophysical Journal, 2010, 719, 1021-1031.	4.5	35
12	FORMATION OF A PROPELLER STRUCTURE BY A MOONLET IN A DENSE PLANETARY RING. Astrophysical Journal Letters, 2011, 732, L23.	8.3	35
13	Nâ€Body Simulation of Planetesimal Formation through Gravitational Instability of a Dust Layer. Astrophysical Journal, 2007, 657, 521-532.	4.5	34
14	A Modified Hermite Integrator for Planetary Dynamics. Publication of the Astronomical Society of Japan, 2004, 56, 861-868.	2.5	29
15	SECULAR GRAVITATIONAL INSTABILITY OF A DUST LAYER IN SHEAR TURBULENCE. Astrophysical Journal, 2012, 746, 35.	4.5	27
16	PITCH ANGLE OF GALACTIC SPIRAL ARMS. Astrophysical Journal, 2014, 787, 174.	4.5	27
17	Formation of the terrestrial planets in the solar system around 1 au via radial concentration of planetesimals. Astronomy and Astrophysics, 2018, 612, L5.	5.1	19
18	Planet Formation around Supermassive Black Holes in the Active Galactic Nuclei. Astrophysical Journal, 2019, 886, 107.	4.5	19

#	Article	IF	Citations
19	GALACTIC SPIRAL ARMS BY SWING AMPLIFICATION. Astrophysical Journal, 2016, 821, 35.	4.5	15
20	Simulating the Smallest Ring World of Chariklo. Astrophysical Journal Letters, 2017, 837, L13.	8.3	14
21	Elemental Abundances of nearby M Dwarfs Based on High-resolution Near-infrared Spectra Obtained by the Subaru/IRD Survey: Proof of Concept. Astronomical Journal, 2022, 163, 72.	4.7	12
22	<i>N</i>-BODY SIMULATION OF PLANETESIMAL FORMATION THROUGH GRAVITATIONAL INSTABILITY AND COAGULATION. II. ACCRETION MODEL. Astrophysical Journal, 2009, 703, 1363-1373.	4.5	10
23	PLANETESIMAL FORMATION BY GRAVITATIONAL INSTABILITY OF A POROUS DUST DISK. Astrophysical Journal Letters, 2016, 825, L28.	8.3	10
24	Impacts of Viscous Dissipation on Collisional Growth and Fragmentation of Dust Aggregates. Astrophysical Journal, 2022, 933, 144.	4.5	10
25	DYNAMICS OF SELF-GRAVITY WAKES IN DENSE PLANETARY RINGS. I. PITCH ANGLE. Astrophysical Journal, 2015, 812, 151.	4.5	9
26	Global N-body simulation of galactic spiral arms. Monthly Notices of the Royal Astronomical Society, 2018, 481, 185-193.	4.4	9
27	Ejection of close-in super-Earths around low-mass stars in the giant impact stage. Astronomy and Astrophysics, 2020, 642, A23.	5.1	9
28	SWING AMPLIFICATION OF GALACTIC SPIRAL ARMS: PHASE SYNCHRONIZATION OF STELLAR EPICYCLE MOTION. Astrophysical Journal, 2016, 823, 121.	4.5	9
29	Dynamics of Porous Dust Aggregates and Gravitational Instability of Their Disk. Astrophysical Journal, 2017, 842, 61.	4.5	8
30	A super-Earth orbiting near the inner edge of the habitable zone around the M4.5Âdwarf Rossâ€‰508. Publication of the Astronomical Society of Japan, 2022, 74, 904-922.	2.5	8
31	Formation of â€œBlanetsâ€•from Dust Grains around the Supermassive Black Holes in Galaxies. Astrophysical Journal, 2021, 909, 96.	4.5	7
32	Early Initiation of Inner Solar System Formation at the Dead-zone Inner Edge. Astrophysical Journal Letters, 2021, 921, L5.	8.3	7
33	Planetesimal Dynamics in the Presence of a Giant Planet. Astronomical Journal, 2021, 162, 115.	4.7	4
34	Size Evolution of Close-in Super-Earths through Giant Impacts and Photoevaporation. Astrophysical Journal, 2021, 923, 81.	4.5	4
35	Gravitational Instability of a Dust Layer Composed of Porous Silicate Dust Aggregates in a Protoplanetary Disk. Astrophysical Journal, 2018, 855, 57.	4.5	2
36	Elementary Process of Galactic Spiral Arm Formation: Phase Synchronization of Epicyclic Motion by Gravitational Scattering. Astrophysical Journal, 2021, 913, 121.	4.5	2

#	Article	IF	Citations
37	Coherent Stellar Motion in Galactic Spiral Arms by Swing Amplification. Astrophysical Journal, 2020, 897, 65.	4.5	2
38	Merging Criteria for Planetesimal Collisions. Astrophysical Journal, 2021, 921, 163.	4.5	1
39	Formation of terrestrial planets. Proceedings of the International Astronomical Union, 2018, 14, 141-147.	0.0	0