

Eiichiro Kokubo

List of Publications by Year in descending order

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39
papers

2,179
citations

567281

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docs citations

40
times ranked

1348
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Elemental Abundances of nearby M Dwarfs Based on High-resolution Near-infrared Spectra Obtained by the Subaru/IRD Survey: Proof of Concept. <i>Astronomical Journal</i> , 2022, 163, 72. | 4.7 | 12 |
| 2 | A super-Earth orbiting near the inner edge of the habitable zone around the M4.5 dwarf Ross 508. <i>Publication of the Astronomical Society of Japan</i> , 2022, 74, 904-922. | 2.5 | 8 |
| 3 | Impacts of Viscous Dissipation on Collisional Growth and Fragmentation of Dust Aggregates. <i>Astrophysical Journal</i> , 2022, 933, 144. | 4.5 | 10 |
| 4 | Formation of "Blanets" from Dust Grains around the Supermassive Black Holes in Galaxies. <i>Astrophysical Journal</i> , 2021, 909, 96. | 4.5 | 7 |
| 5 | Elementary Process of Galactic Spiral Arm Formation: Phase Synchronization of Epicyclic Motion by Gravitational Scattering. <i>Astrophysical Journal</i> , 2021, 913, 121. | 4.5 | 2 |
| 6 | Planetesimal Dynamics in the Presence of a Giant Planet. <i>Astronomical Journal</i> , 2021, 162, 115. | 4.7 | 4 |
| 7 | Early Initiation of Inner Solar System Formation at the Dead-zone Inner Edge. <i>Astrophysical Journal Letters</i> , 2021, 921, L5. | 8.3 | 7 |
| 8 | Merging Criteria for Planetesimal Collisions. <i>Astrophysical Journal</i> , 2021, 921, 163. | 4.5 | 1 |
| 9 | Size Evolution of Close-in Super-Earths through Giant Impacts and Photoevaporation. <i>Astrophysical Journal</i> , 2021, 923, 81. | 4.5 | 4 |
| 10 | Ejection of close-in super-Earths around low-mass stars in the giant impact stage. <i>Astronomy and Astrophysics</i> , 2020, 642, A23. | 5.1 | 9 |
| 11 | Coherent Stellar Motion in Galactic Spiral Arms by Swing Amplification. <i>Astrophysical Journal</i> , 2020, 897, 65. | 4.5 | 2 |
| 12 | Planet Formation around Supermassive Black Holes in the Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2019, 886, 107. | 4.5 | 19 |
| 13 | Gravitational Instability of a Dust Layer Composed of Porous Silicate Dust Aggregates in a Protoplanetary Disk. <i>Astrophysical Journal</i> , 2018, 855, 57. | 4.5 | 2 |
| 14 | Global N-body simulation of galactic spiral arms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 185-193. | 4.4 | 9 |
| 15 | Formation of close-in super-Earths in evolving protoplanetary disks due to disk winds. <i>Astronomy and Astrophysics</i> , 2018, 615, A63. | 5.1 | 64 |
| 16 | Formation of the terrestrial planets in the solar system around 1 au via radial concentration of planetesimals. <i>Astronomy and Astrophysics</i> , 2018, 612, L5. | 5.1 | 19 |
| 17 | Formation of terrestrial planets. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 141-147. | 0.0 | 0 |
| 18 | The infrared Doppler (IRD) instrument for the Subaru telescope: instrument description and commissioning results. , 2018, , . | | 44 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Simulating the Smallest Ring World of Chariklo. <i>Astrophysical Journal Letters</i> , 2017, 837, L13. | 8.3 | 14 |
| 20 | Dynamics of Porous Dust Aggregates and Gravitational Instability of Their Disk. <i>Astrophysical Journal</i> , 2017, 842, 61. | 4.5 | 8 |
| 21 | Formation of Close-in Super-Earths by Giant Impacts: Effects of Initial Eccentricities and Inclinations of Protoplanets. <i>Astronomical Journal</i> , 2017, 154, 27. | 4.7 | 40 |
| 22 | GALACTIC SPIRAL ARMS BY SWING AMPLIFICATION. <i>Astrophysical Journal</i> , 2016, 821, 35. | 4.5 | 15 |
| 23 | PLANETESIMAL FORMATION BY GRAVITATIONAL INSTABILITY OF A POROUS DUST DISK. <i>Astrophysical Journal Letters</i> , 2016, 825, L28. | 8.3 | 10 |
| 24 | SWING AMPLIFICATION OF GALACTIC SPIRAL ARMS: PHASE SYNCHRONIZATION OF STELLAR EPICYCLE MOTION. <i>Astrophysical Journal</i> , 2016, 823, 121. | 4.5 | 9 |
| 25 | DYNAMICS OF SELF-GRAVITY WAKES IN DENSE PLANETARY RINGS. I. PITCH ANGLE. <i>Astrophysical Journal</i> , 2015, 812, 151. | 4.5 | 9 |
| 26 | PITCH ANGLE OF GALACTIC SPIRAL ARMS. <i>Astrophysical Journal</i> , 2014, 787, 174. | 4.5 | 27 |
| 27 | SECULAR GRAVITATIONAL INSTABILITY OF A DUST LAYER IN SHEAR TURBULENCE. <i>Astrophysical Journal</i> , 2012, 746, 35. | 4.5 | 27 |
| 28 | FORMATION OF A PROPELLER STRUCTURE BY A MOONLET IN A DENSE PLANETARY RING. <i>Astrophysical Journal Letters</i> , 2011, 732, L23. | 8.3 | 35 |
| 29 | <i>N</i> -BODY SIMULATION OF PLANETESIMAL FORMATION THROUGH GRAVITATIONAL INSTABILITY OF A DUST LAYER IN LAMINAR GAS DISK. <i>Astrophysical Journal</i> , 2010, 719, 1021-1031. | 4.5 | 35 |
| 30 | FORMATION OF TERRESTRIAL PLANETS FROM PROTOPLANETS UNDER A REALISTIC ACCRETION CONDITION. <i>Astrophysical Journal Letters</i> , 2010, 714, L21-L25. | 8.3 | 126 |
| 31 | <i>N</i> -BODY SIMULATION OF PLANETESIMAL FORMATION THROUGH GRAVITATIONAL INSTABILITY AND COAGULATION. II. ACCRETION MODEL. <i>Astrophysical Journal</i> , 2009, 703, 1363-1373. | 4.5 | 10 |
| 32 | <i>N</i> -Body Simulation of Planetesimal Formation through Gravitational Instability of a Dust Layer. <i>Astrophysical Journal</i> , 2007, 657, 521-532. | 4.5 | 34 |
| 33 | Formation of Terrestrial Planets from Protoplanets. II. Statistics of Planetary Spin. <i>Astrophysical Journal</i> , 2007, 671, 2082-2090. | 4.5 | 64 |
| 34 | Formation of Terrestrial Planets from Protoplanets. I. Statistics of Basic Dynamical Properties. <i>Astrophysical Journal</i> , 2006, 642, 1131-1139. | 4.5 | 129 |
| 35 | A Modified Hermite Integrator for Planetary Dynamics. <i>Publication of the Astronomical Society of Japan</i> , 2004, 56, 861-868. | 2.5 | 29 |
| 36 | Formation of Protoplanet Systems and Diversity of Planetary Systems. <i>Astrophysical Journal</i> , 2002, 581, 666-680. | 4.5 | 329 |

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|----|---------------------------------------------------------------------------|-----|-----------|
| 37 | The Stability of Protoplanet Systems. <i>Icarus</i> , 1999, 139, 328-335. | 2.5 | 55 |
| 38 | Oligarchic Growth of Protoplanets. <i>Icarus</i> , 1998, 131, 171-178. | 2.5 | 659 |
| 39 | On Runaway Growth of Planetesimals. <i>Icarus</i> , 1996, 123, 180-191. | 2.5 | 291 |