

Kotaro Koike

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

371
citations

840776

11
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of trifluoromethyl substituents on birefringence of polystyrene. <i>Polymers for Advanced Technologies</i> , 2017, 28, 994-999.	3.2	9
2	New amorphous perfluoro polymers: perfluorodioxolane polymers for use as plastic optical fibers and gas separation membranes. <i>Polymers for Advanced Technologies</i> , 2016, 27, 33-41.	3.2	22
3	A highly transparent and thermally stable copolymer of 1-adamantyl methacrylate and styrene. <i>Polymer International</i> , 2015, 64, 188-195.	3.1	11
4	Temperature dependence of Brillouin frequency shift in polymers controlled by plasticization effect. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	4
5	Effects of para-fluorine substituent of polystyrene on gradient-index fiber-optic properties. <i>Optical Materials</i> , 2015, 39, 143-147.	3.6	2
6	Effect of cladding layer glass transition temperature on thermal resistance of graded-index plastic optical fibers. <i>Polymer Journal</i> , 2014, 46, 823-826.	2.7	5
7	Influence of dielectric fluctuation on light-scattering properties of random copolymers in bulk. <i>Polymer</i> , 2014, 55, 2697-2703.	3.8	4
8	Effect of dopant structure on refractive index and glass transition temperature of polymeric fiber-optic materials. <i>Polymers for Advanced Technologies</i> , 2014, 25, 204-210.	3.2	12
9	New insights into dopant design for graded-index plastic optical fibers for transmission at 850nm. <i>Optical Materials</i> , 2014, 36, 782-786.	3.6	1
10	Low Loss and High Bandwidth Polystyrene-Based Graded Index Polymer Optical Fiber. <i>Journal of Lightwave Technology</i> , 2013, 31, 2407-2412.	4.6	22
11	Synthesis and characterization of copolymers of perfluoro(2-methylene-4,5-dimethyl-1,3-dioxolane) and perfluoro(2-methylene-1,3-dioxolane). <i>Journal of Fluorine Chemistry</i> , 2013, 156, 198-202.	1.7	10
12	Poly(styrene)-based graded-index plastic optical fiber for home networks. <i>Optics Letters</i> , 2012, 37, 1853.	3.3	14
13	High-Bandwidth Graded-Index Plastic Optical Fiber With Low-Attenuation, High-Bending Ability, and High-Thermal Stability for Home-Networks. <i>Journal of Lightwave Technology</i> , 2011, 29, 1620-1626.	4.6	24
14	Progress in low-loss and high-bandwidth plastic optical fibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 2-17.	2.1	74
15	Synthesis and characterization of trifluoromethyl substituted styrene polymers and copolymers with methacrylates: Effects of trifluoromethyl substituent on styrene. <i>Polymer</i> , 2011, 52, 949-953.	3.8	21
16	Optical and thermal properties of methyl methacrylate and pentafluorophenyl methacrylate copolymer: Design of copolymers for low-loss optical fibers for gigabit in-home communications. <i>Polymer</i> , 2010, 51, 1377-1385.	3.8	23
17	High glass transition temperatures of poly(methyl methacrylate) prepared by free radical initiators. <i>Journal of Polymer Science Part A</i> , 2009, 47, 315-317.	2.3	49
18	Design, synthesis, and characterization of a partially chlorinated acrylic copolymer for low-loss and thermally stable graded index plastic optical fibers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3352-3361.	2.3	22

#	ARTICLE	IF	CITATIONS
19	Design of Low-Loss Graded-Index Plastic Optical Fiber Based on Partially Fluorinated Methacrylate Polymer. <i>Journal of Lightwave Technology</i> , 2009, 27, 41-46.	4.6	27
20	Design and synthesis of graded index plastic optical fibers by copolymeric system. <i>Polymers for Advanced Technologies</i> , 2008, 19, 516-520.	3.2	5