

# Kenji Kinashi

## 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.

94  
papers

986  
citations

18  
h-index

24  
g-index

113  
ext. papers

1,173  
ext. citations

3.6  
avg, IF

4.44  
L-index

#	Paper	IF	Citations
94	Spin trapping analysis of the thermal degradation of polypropylene. <i>Polymer Degradation and Stability</i> , <b>2022</b> , 197, 109871	4.7	0
93	Compact and Scalable Large Vortex Array Generation Using Azocarbazole Polymer and Digital Hologram Printing Technique.. <i>Nanoscale Research Letters</i> , <b>2022</b> , 17, 44	5	3
92	Photorefractive Response Enhancement in Poly(triarylamine)-Based Polymer Composites by a Second Electron Trap Chromophore.. <i>ACS Omega</i> , <b>2022</b> , 7, 12120-12126	3.9	0
91	Scalable fabrication of cross-linked porous centrifugally spun polyimide fibers for thermal insulation application. <i>European Polymer Journal</i> , <b>2022</b> , 169, 111123	5.2	1
90	Generation of Inception Gaussian Beams Using Azocarbazole Polymer CGH. <i>Journal of Imaging</i> , <b>2022</b> , 8, 144	3.1	2
89	Spin-trapping analysis for thermal degradation of poly(vinyl alcohol). <i>Polymer</i> , <b>2021</b> , 217, 123416	3.9	2
88	Triphenylamine-Based Plasticizer in Controlling Traps and Photorefractivity Enhancement. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 2170-2177	4	1
87	Bacteriostatic Behavior of PLA-BaTiO Composite Fibers Synthesized by Centrifugal Spinning and Subjected to Aging Test. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
86	Effect of BaTiO <sub>3</sub> on the aging process of PLA fibers obtained by centrifugal spinning. <i>Materials Today Chemistry</i> , <b>2021</b> , 20, 100461	6.2	2
85	X-ray composite fibrous color dosimeter based on 10,12-pentacosadiynoic acid. <i>Dyes and Pigments</i> , <b>2021</b> , 191, 109356	4.6	1
84	Environmentally Friendly Chitosan-Modified Polycaprolactone Nanofiber/Nanonet Membrane for Controllable Oil/Water Separation. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 3891-3901	4.3	8
83	Fabrication of silver helix microstructures in a large area by a two-photon absorption DLW method. <i>Scientific Reports</i> , <b>2021</b> , 11, 15860	4.9	2
82	Chitosan-Functionalized Recycled Polyethylene Terephthalate Nanofibrous Membrane for Sustainable On-Demand Oil-Water Separation. <i>Global Challenges</i> , <b>2021</b> , 5, 2000107	4.3	9
81	Re-evaluation of the Energy Density Properties of VDF Ferroelectric Thin-Film Capacitors. <i>ACS Omega</i> , <b>2020</b> , 5, 30468-30477	3.9	2
80	Enhancement of Amplified Spontaneous Emission and Laser Performance of Rhodamine 6G/Cellulose Acetate DFB and DBR Waveguide Devices: A Role of Thermally Annealed P(VDF-TrFE) Intermediate Layer. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 1514-1521	4	0
79	Ferroelectric performance of nylons 6-12, 10-12, 11-12, and 12-12.. <i>RSC Advances</i> , <b>2020</b> , 10, 15740-15750	3.7	5
78	Theoretical Limit of the Color-Change Sensitivity of a Composite Resin Dosimeter Film Based on Spiropyran/BaFCl : Eu/Polystyrene. <i>ChemistryOpen</i> , <b>2020</b> , 9, 623-627	2.3	1

77	X-ray Visualization and Quantification Using Fibrous Color Dosimeter Based on Leuco Dye. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3798	2.6	4
76	Antibacterial and Osteoconductive Effects of Chitosan/Polyethylene Oxide (PEO)/Bioactive Glass Nanofibers for Orthopedic Applications. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2360	2.6	20
75	Recycled PET as a PDMS-Functionalized electrospun fibrous membrane for oil-water separation. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103921	6.8	24
74	Ferroelectric switching in spin-coated nylons 11 and 12. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48438	2.9	2
73	Nylon 10-12-based ferroelectric capacitor for energy storage. <i>AIP Advances</i> , <b>2020</b> , 10, 095323	1.5	
72	Facile and Scalable Fabrication of Porous Polystyrene Fibers for Oil Removal by Centrifugal Spinning. <i>ACS Omega</i> , <b>2019</b> , 4, 15992-16000	3.9	17
71	Understanding ferroelectric performances of spin-coated odd-odd nylon thin films. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47595	2.9	6
70	Optimal composition of the poly(triarylamine)-based polymer composite to maximize photorefractive performance. <i>Scientific Reports</i> , <b>2019</b> , 9, 739	4.9	6
69	Leuco-Based Composite Resin Dosimeter Film. <i>ACS Omega</i> , <b>2019</b> , 4, 9946-9951	3.9	8
68	Holographic Performance of Azo-Carbazole Dye-Doped UP Resin Films Using a Dyeing Process. <i>Materials</i> , <b>2019</b> , 12,	3.5	1
67	High-Performance All-Organic DFB and DBR Waveguide Laser with Various Grating Height Fabricated by a Two-Photon Absorption DLW Method. <i>Scientific Reports</i> , <b>2019</b> , 9, 10582	4.9	9
66	Electron spin resonance and photoelectron yield spectroscopic studies for photocarrier behavior in photorefractive polymeric composites. <i>Organic Electronics</i> , <b>2019</b> , 68, 248-255	3.5	0
65	Material Design of Azo-Carbazole Copolymers for Preservation Stability with Rewritable Holographic Stereograms. <i>Macromolecular Chemistry and Physics</i> , <b>2019</b> , 220, 1800456	2.6	4
64	Flexible All-Organic Photorefractive Devices. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 238-245	4	2
63	Spin-Trapping Analysis and Characterization of Thermal Degradation of Thermoplastic Poly(etherEster) Elastomer. <i>Macromolecules</i> , <b>2018</b> , 51, 1088-1099	5.5	11
62	Composite Resin Dosimeters: A New Concept and Design for a Fibrous Color Dosimeter. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11926-11932	9.5	14
61	Photorefractive dynamics in poly(triarylamine)-based polymer composite: an approach utilizing a second electron trap to reduce the photoconductivity. <i>Optical Materials Express</i> , <b>2018</b> , 8, 401	2.6	7
60	Centrifugally Spun Recycled PET: Processing and Characterization. <i>Polymers</i> , <b>2018</b> , 10,	4.5	23

59	Influence of an Interfacial Effect on the Laser Performance of a Rhodamine 6G/Cellulose Acetate Waveguide on a Vinylidene Fluoride Copolymer Layer. <i>Langmuir</i> , <b>2018</b> , 34, 7527-7535	4	3
58	Carrier-assisted dyeing of poly(L-lactic acid) fibers with dispersed photochromic spiropyran dyes. <i>Dyes and Pigments</i> , <b>2017</b> , 145, 444-450	4.6	11
57	Spin-Trapping Analysis of Thermal Degradation Reaction of Poly(butylene terephthalate). <i>Macromolecules</i> , <b>2017</b> , 50, 254-263	5.5	7
56	Fabrication of three-dimensional microstructures in positive photoresist through two-photon direct laser writing. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	10
55	Fabrication and photochromic properties of Forcespinning $\square$ fibers based on spiropyran-doped poly(methyl methacrylate). <i>RSC Advances</i> , <b>2017</b> , 7, 33061-33067	3.7	20
54	Re-evaluation of the origin of relaxor ferroelectricity in vinylidene fluoride terpolymers: An approach using switching current measurements. <i>Scientific Reports</i> , <b>2017</b> , 7, 15871	4.9	13
53	Influence of baking conditions on 3D microstructures by direct laser writing in negative photoresist SU-8 via two-photon polymerization. <i>Journal of Laser Applications</i> , <b>2017</b> , 29, 042010	2.1	5
52	Direct laser writing for micro-optical devices using a negative photoresist. <i>Optics Express</i> , <b>2017</b> , 25, 31539-31551	3.3	11
51	Advantage of the circular polarization of light in the updatable holographic response in an azo-carbazole monolithic dye dispersed acrylate matrix. <i>Optical Materials Express</i> , <b>2017</b> , 7, 1647	2.6	6
50	Radiation-induced colour changes in a spiropyran/BaFCl:Eu <sup>2+</sup> /polystyrene composite film and nonwoven fabric. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 8658-8663	3.6	12
49	Effects of terminal alkyl substituents on the low-dimensional arrangement of stacked molecules in the crystal structures of bisazomethine dyes. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2016</b> , 231, 487-498	1	1
48	Re-evaluation of all-plastic organic dye laser with DFB structure fabricated using photoresists. <i>Scientific Reports</i> , <b>2016</b> , 6, 34741	4.9	15
47	Fabrication of gold microstructures using negative photoresists doped with gold ions through two-photon excitation. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 17024-8	3.6	16
46	Electron dominated grating in a triphenylamine-based photorefractive composite. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6822-6828	7.1	3
45	Photorefractive Response: An Approach from the Photoconductive Properties. <i>Springer Series in Materials Science</i> , <b>2016</b> , 129-156	0.9	1
44	Characterization of Carrier Transport and Trapping in Photorefractive Polymer Composites Using Photoemission Yield Spectroscopy in Air. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1785-1791	2.6	5
43	Nature of the Enhancement in Ferroelectric Properties by Gold Nanoparticles in Vinylidene Fluoride and Trifluoroethylene Copolymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16816-22	9.5	23
42	Enhanced photorefractivity of a perylene bisimide-sensitized poly(4-(diphenylamino) benzyl acrylate) composite. <i>Optical Materials Express</i> , <b>2016</b> , 6, 1714	2.6	5

41	Molecular design of azo-carbazole monolithic dyes for updatable full-color holograms. <i>NPG Asia Materials</i> , <b>2016</b> , 8, e311-e311	10.3	9
40	Photorefractivity of Perylene Bisimide-Sensitized Poly(4-(diphenylamino)benzyl acrylate). <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 85-91	2.6	4
39	Updatable Holographic Diffraction of Monolithic Carbazole-Azobenzene Compound in Poly(methyl methacrylate) Matrix. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 18567-18572	3.8	14
38	Photorefractive dynamics in poly(triarylamine)-based polymer composites. <i>Optics Express</i> , <b>2015</b> , 23, 25158-70	3.7	16
37	Photorefractive performance of poly(triarylamine)-Based polymer composites: An approach from the photoconductive properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 502-508	2.6	22
36	A spiropyran-based X-ray sensitive fiber. <i>Chemical Communications</i> , <b>2015</b> , 51, 11170-3	5.8	27
35	Fabrication of the silver structure through two-photon excitation by femtosecond laser. <i>Chemical Physics Letters</i> , <b>2014</b> , 610-611, 241-245	2.5	12
34	Triphenylamine photoconductive polymers for high performance photorefractive devices. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 291, 26-33	4.7	15
33	Enhanced photoconductivity and trapping rate through control of bulk state in organic triphenylamine-based photorefractive materials. <i>Organic Electronics</i> , <b>2014</b> , 15, 3471-3475	3.5	8
32	Recent advances in photorefractivity of poly(4-diphenylaminostyrene) composites: Wavelength dependence and dynamic holographic images. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 082601	1.4	9
31	Photorefractive response and real-time holographic application of a poly(4-(diphenylamino)benzyl acrylate)-based composite. <i>Polymer Journal</i> , <b>2014</b> , 46, 59-66	2.7	26
30	Ferroelectric Switching of Vinylidene and Trifluoroethylene Copolymer Thin Films on Au Electrodes Modified with Self-Assembled Monolayers. <i>Materials</i> , <b>2014</b> , 7, 6367-6376	3.5	6
29	Reversible Visualization for Synchrotron Radiation Using Photochromic Dye and Photostimulable Phosphor Composite Film. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-5	2.1	5
28	Dynamic holographic images using poly(N-vinylcarbazole)-based photorefractive composites. <i>Polymer Journal</i> , <b>2013</b> , 45, 665-670	2.7	8
27	Photorefractive device using self-assembled monolayer coated indium-tin-oxide electrodes. <i>Organic Electronics</i> , <b>2013</b> , 14, 2987-2993	3.5	17
26	Two-photon excitation by femtosecond laser in poly(N-vinylpyrrolidone) matrix doped with silver ions. <i>Chemical Physics Letters</i> , <b>2013</b> , 558, 62-65	2.5	6
25	Optimization of Photorefractivity Based on Poly(N-vinylcarbazole) Composites: An Approach from the Perspectives of Chemistry and Physics. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 1789-1797	2.6	15
24	Fully updatable three-dimensional holographic stereogram display device based on organic monolithic compound. <i>Optics Express</i> , <b>2013</b> , 21, 19880-4	3.3	23

23	High-Speed Photorefractive Response Capability in Triphenylamine Polymer-Based Composites. <i>Applied Physics Express</i> , <b>2012</b> , 5, 064101	2.4	28
22	Synthesis, characterization, photo-induced alignment, and surface orientation of poly(9,9-dioctylfluorene-alt-azobenzene)s. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 5107-5114	2.5	11
21	Quickly Updatable Hologram Images Using Poly(N-vinyl Carbazole) (PVCz) Photorefractive Polymer Composite. <i>Materials</i> , <b>2012</b> , 5, 1477-1486	3.5	29
20	Alkyl substituent effects on J- or H-aggregate formation of bisazomethine dyes. <i>Dyes and Pigments</i> , <b>2012</b> , 92, 783-788	4.6	24
19	The mechanism for negative photochromism of spiropyran in silica. <i>Journal of Physical Organic Chemistry</i> , <b>2012</b> , 25, 462-466	2.1	30
18	Radiochromic film containing spiropyran dye for dosimetry of low energy X-rays. <i>Journal of Physical Organic Chemistry</i> , <b>2012</b> , 25, 427-430	2.1	18
17	Photorefractive Composite Based on a Monolithic Polymer. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 982-988	2.6	9
16	Real-time three-dimensional holographic display using a monolithic organic compound dispersed film. <i>Optical Materials Express</i> , <b>2012</b> , 2, 1003	2.6	41
15	Dynamic holographic images using polyvinylcarbazole-based photorefractive composites <b>2012</b> ,		1
14	Quickly updatable hologram images with high performance photorefractive polymer composites <b>2012</b> ,		2
13	Dynamic holographic images using photorefractive composites <b>2012</b> ,		3
12	Time-resolved fluorescence study on the photomerocyanine form of spiropyran and its derivative with azobenzene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 217, 35-39	4.7	13
11	Crystalline thin films of Ephase poly(9,9-dioctylfluorene). <i>Thin Solid Films</i> , <b>2011</b> , 519, 2247-2250	2.2	14
10	Reverse photochromism of spiropyran in silica. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2010</b> , 213, 136-140	4.7	42
9	Reversible multi-coloring reaction of spironaphtooxazine controlled by long-chain molecule. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2010</b> , 213, 189-193	4.7	15
8	Photoswitching of diarylethene using bisazomethine dye. <i>Optical Materials</i> , <b>2009</b> , 31, 1711-1714	3.3	5
7	Fabrication and optical properties of photochromic compound/clay hybrid films. <i>Thin Solid Films</i> , <b>2009</b> , 518, 651-655	2.2	15
6	Photo-induced alignment behavior of azobenzene compound in thin film. <i>Thin Solid Films</i> , <b>2009</b> , 518, 805-809	2.2	17

5	Structural change of polydiacetylene Langmuir film during compression process. <i>Thin Solid Films</i> , <b>2009</b> , 518, 819-823	2.2	3
4	Photo-induced molecular alignment of azo dye derivative. <i>Thin Solid Films</i> , <b>2008</b> , 516, 2686-2690	2.2	5
3	Thermal stability of merocyanine form in spiropyran/silica composite film. <i>Thin Solid Films</i> , <b>2008</b> , 516, 2532-2536	2.2	25
2	Synthesis and Photochromic Behavior of Bi-functional Photochromic Compound. <i>Molecular Crystals and Liquid Crystals</i> , <b>2006</b> , 445, 223/[513]-230/[520]	0.5	6
1	Multi-photochromic Behavior of Hybrid Material with Spirobenzopyran and Azobenzene Moieties. <i>Chemistry Letters</i> , <b>2006</b> , 35, 298-299	1.7	6