

Shunsuke Yamamoto

List of Publications by Year in descending order

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times ranked

1796
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid 3D/Inkjet-Printed Organic Neuromorphic Transistors. <i>Advanced Materials Technologies</i> , 2022, 7, 2000798.	5.8	26
2	Correlation between Transient Response and Neuromorphic Behavior in Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	11
3	pH-Responsive Ultrathin Nanoporous SiO ₂ Films for Selective Ion Permeation. <i>Langmuir</i> , 2021, 37, 5627-5634.	3.5	2
4	Flexible ultraviolet detector with robust ZnO nanoparticle nanoassemblies on catechol-functionalized polysiloxane nanofilms. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50947.	2.6	2
5	Controlled Ion Permeability of Ultrathin Nanoporous SiO ₂ Films from Silsesquioxane-Containing Polymer Nanosheets. <i>ACS Applied Nano Materials</i> , 2020, 3, 7454-7461.	5.0	2
6	Formation of Perpendicularly Aligned Sub-10 nm Nanocylinders in Poly(<i>N</i> -dodecylacrylamide- <i>b</i> -ethylene glycol) Block Copolymer Films by Hierarchical Phase Separation. <i>Macromolecules</i> , 2020, 53, 9601-9610.	4.8	4
7	Synthesis and self-assembly nanostructures of pyrene-containing amphiphilic fluorinated copolymers and their oxygen sensing application. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 704, 81-88.	0.9	1
8	Microfabricated Ion-Selective Transistors with Fast and Super-Nernstian Response. <i>Advanced Materials</i> , 2020, 32, e2004790.	21.0	54
9	Titania Nanofilms from Titanium Complex-Containing Polymer Langmuir-Blodgett Films. <i>Langmuir</i> , 2020, 36, 10371-10378.	3.5	3
10	Layer-by-Layer Growth Control of Metal-Organic Framework Thin Films Assembled on Polymer Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50784-50792.	8.0	22
11	Controlling the Neuromorphic Behavior of Organic Electrochemical Transistors by Blending Mixed and Ion Conductors. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2224-2228.	4.3	32
12	Dibenzoarsepins: Planarization of π -Electron System in the Lowest Singlet Excited State. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11686-11690.	13.8	38
13	Cyclosiloxane polymer bearing dynamic boronic acid: synthesis and bottom-up nanocoating. <i>Polymer Chemistry</i> , 2019, 10, 5228-5235.	3.9	11
14	Molecular-weight dependence of the formation of highly ordered lamellar structures of poly(<i>N</i> -dodecyl acrylamide) by humid annealing. <i>Polymer Chemistry</i> , 2019, 10, 835-842.	3.9	17
15	Cellulose Nanofiber Nanosheet Multilayers by the Langmuir-Blodgett Technique. <i>Langmuir</i> , 2019, 35, 8052-8059.	3.5	14
16	Self Formed Anisotropic Proton Conductive Polymer Film by Nanophase Separation. <i>Journal of the Electrochemical Society</i> , 2019, 166, B3218-B3222.	2.9	8
17	Synthesis of Ba _{1-x} Sr _x YSi ₂ O ₅ N and discussion based on structure analysis and DFT calculation. <i>Journal of Solid State Chemistry</i> , 2019, 276, 266-271.	2.9	3
18	Highly carboxylated and crystalline cellulose nanocrystals from jute fiber by facile ammonium persulfate oxidation. <i>Cellulose</i> , 2019, 26, 3671-3684.	4.9	44

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19	Development of Interfacial Nanoassembly Techniques in Functional Nanomaterials. <i>Polymer Journal</i> , 2019, 51, 731-738.	2.7	3
20	Biomimetic Polyelectrolytes Based on Polymer Nanosheet Films and Their Proton Conduction Mechanism. <i>Langmuir</i> , 2019, 35, 3302-3307.	3.5	12
21	Nanophase Separation of Poly(<i>N</i> -alkyl acrylamides): The Dependence of the Formation of Lamellar Structures on Their Alkyl Side Chains. <i>Macromolecules</i> , 2019, 52, 9773-9780.	4.8	30
22	Circular Polarized Luminescence of Hydrogen-Bonded Molecular Assemblies of Chiral Pyrene Derivatives. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6323-6331.	3.1	55
23	Fully Conjugated Porphyrin Glass: Collective Light-Harvesting Antenna for Near-Infrared Fluorescence beyond 1 μ m. <i>ACS Omega</i> , 2018, 3, 4466-4474.	3.5	4
24	Resistive non-volatile memories fabricated with poly(vinylidene fluoride)/poly(thiophene) blend nanosheets. <i>RSC Advances</i> , 2018, 8, 7963-7968.	3.6	13
25	Thermoresponsive Amphiphilic Fluorescent Organic Liquid. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9593-9598.	3.1	28
26	Resistive switching of organic-inorganic hybrid devices of conductive polymer and permeable ultra-thin SiO ₂ films. <i>Nanotechnology</i> , 2018, 29, 26LT02.	2.6	15
27	Catechol-Functionalized Polysiloxane Nanocoating for Surface Enhanced Raman Scattering on a Grating Surface. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2018, 23, 84-87.	0.1	1
28	Ce ⁴⁺ -Based Compounds Capable of Photoluminescence by Charge Transfer Excitation under Near-Ultraviolet-Visible Light. <i>Inorganic Chemistry</i> , 2018, 57, 14524-14531.	4.0	10
29	Preparation, Electronic and Liquid Crystalline Properties of Electron-Accepting Azaacene Derivatives. <i>ACS Omega</i> , 2018, 3, 13694-13703.	3.5	2
30	As-Heteropentacenes: An Experimental and Computational Study on a Novel Class of Heteroacenes. <i>Organic Letters</i> , 2018, 20, 5952-5955.	4.6	21
31	Synthesis and Porous SiO ₂ Nanofilm Formation of the Silsesquioxane-Containing Amphiphilic Block Copolymer. <i>Langmuir</i> , 2018, 34, 8007-8014.	3.5	12
32	High-Density and Monolayer-Level Integration of π -Conjugated Units: Amphiphilic Carbazole Homopolymer Langmuir-Blodgett Films. <i>Langmuir</i> , 2018, 34, 10491-10497.	3.5	13
33	Two-Dimensional Proton Conduction in Biomimetic Polymer Electrolytes Prepared the Polymer Nanosheet Multilayer Film. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
34	Site occupancy and luminescence properties of Ca ₃ Ln(AIO) ₃ (BO ₃) ₄ :Ce ³⁺ , Tb ³⁺ , Mn ²⁺ (Ln = Y, Gd). <i>Journal of Materials Chemistry C</i> , 2017, 5, 4578-4583.	3.5	18
35	Acid-Group-Content-Dependent Proton Conductivity Mechanisms at the Interlayer of Poly(<i>N</i> -dodecylacrylamide-co-acrylic acid) Copolymer Multilayer Nanosheet Films. <i>Langmuir</i> , 2017, 33, 12897-12902.	3.5	19
36	Observation of self-polarization in BSA protected Au ₂₀ clusters. <i>Nanotechnology</i> , 2017, 28, 445704.	2.6	4

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37	Amphiphilic acrylamide block copolymer: RAFT block copolymerization and monolayer behaviour. RSC Advances, 2017, 7, 44954-44960.	3.6	7
38	Superhydrophobic surfaces with fluorinated cellulose nanofiber assemblies for oil/water separation. RSC Advances, 2017, 7, 37168-37174.	3.6	35
39	Regioselective Synthesis of Eight-Armed Cyclosiloxane Amphiphile for Functional 2D and 3D Assembly Motifs. ACS Applied Materials & Interfaces, 2017, 9, 28144-28150.	8.0	19
40	Angle-resolved X-ray photoelectron spectroscopy study of poly(vinylidene fluoride)/poly(ethylene oxide) thin films. Physical Review Letters, 2016, 116, 036101.	1.5	1
41	Highly oriented poly(vinylidene fluoride-co-trifluoroethylene) ultrathin films with improved ferroelectricity. RSC Advances, 2016, 6, 32007-32012.	3.6	15
42	Alkylamide-substituted tetraphenylethylene: three modes of fluorescence based on a hydrogen-bonded excimer. Organic and Biomolecular Chemistry, 2016, 14, 8922-8926.	2.8	12
43	Nanoscale deposition of metal-organic framework films on polymer nanosheets. RSC Advances, 2016, 6, 74349-74353.	3.6	4
44	A versatile platform of catechol-functionalized polysiloxanes for hybrid nanoassembly and in situ surface enhanced Raman scattering applications. Journal of Materials Chemistry C, 2016, 4, 8903-8910.	5.5	13
45	Amphiphilic Fluorinated Polymer Nanoparticle Film Formation and Dissolved Oxygen Sensing Application. Journal of Physics: Conference Series, 2016, 704, 012009.	0.4	0
46	Surface wettability of amphiphilic fluorinated polymer thin films. Polymer Bulletin, 2016, 73, 2409-2415.	3.3	2
47	Multimodal underwater adsorption of oxide nanoparticles on catechol-based polymer nanosheets. Nanoscale, 2016, 8, 5912-5919.	5.6	22
48	Solvent-dependent properties of poly(vinylidene fluoride) monolayers at the air/water interface. Soft Matter, 2015, 11, 1962-1972.	2.7	21
49	Superhydrophobic Porous Surfaces: Dissolved Oxygen Sensing. ACS Applied Materials & Interfaces, 2015, 7, 3468-3472.	8.0	40
50	Facile synthesis of cyclosiloxane-based polymers for hybrid film formation. Polymer Chemistry, 2015, 6, 2695-2706.	3.9	30
51	Flexible SiO ₂ nanofilms assembled on poly(ethylene terephthalate) substrates through a room temperature fabrication process for nanoscale integration. Journal of Materials Chemistry C, 2015, 3, 1286-1293.	5.5	13
52	Fluorescent Ferroelectrics of Hydrogen-Bonded Pyrene Derivatives. Journal of Physical Chemistry Letters, 2015, 6, 1813-1818.	4.6	77
53	Effect of alkyl groups on emission properties of aggregation induced emission active N-alkyl arylaminomaleimide dyes. RSC Advances, 2015, 5, 94344-94350.	3.6	24
54	Asymmetric Ferroelectric Switching Based on an Al/PVDF Langmuir-Blodgett Nanofilm/PEDOT:PSS/Al Device. Molecular Crystals and Liquid Crystals, 2015, 618, 89-94.	0.9	6

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55	Luminescence Properties of Anthracene Chromophores in Cyclosiloxane-Based Hybrid Polymer Films. Rapid Communication in Photoscience, 2015, 4, 16-18.	0.1	0
56	Electron-donor function of methanofullerenes in donor-acceptor bulk heterojunction systems. Chemical Communications, 2014, 50, 4123-4125.	4.1	22
57	Ferroelectricity of poly(vinylidene fluoride) homopolymer Langmuir-Blodgett nanofilms. Journal of Materials Chemistry C, 2014, 2, 6727-6731.	5.5	40
58	Charge Generation and Recombination in Fullerene-Attached Poly(3-hexylthiophene)-Based Diblock Copolymer Films. Journal of Physical Chemistry C, 2014, 118, 10584-10589.	3.1	32
59	Synthesis and Properties of Poly(phenyleneethynylene)s Bearing Perylene Moieties at the Side Chains. Chemistry Letters, 2014, 43, 1622-1624.	1.3	5
60	Efficient Charge Generation and Collection in Amorphous Polymer-Based Solar Cells. Journal of Physical Chemistry C, 2013, 117, 11514-11521.	3.1	19
61	Formation Mechanism of Fullerene Cation in Bulk Heterojunction Polymer Solar Cells. Advanced Functional Materials, 2012, 22, 3075-3082.	14.9	9
62	Molecular Understanding of the Open-Circuit Voltage of Polymer:Fullerene Solar Cells. Advanced Energy Materials, 2012, 2, 229-237.	19.5	95
63	Role of Interfacial Charge Transfer State in Charge Generation and Recombination in Low-Bandgap Polymer Solar Cell. Journal of Physical Chemistry C, 2012, 116, 14804-14810.	3.1	58
64	Formation of Methanofullerene Cation in Bulk Heterojunction Polymer Solar Cells Studied by Transient Absorption Spectroscopy. Advanced Functional Materials, 2008, 18, 2555-2562.	14.9	68
65	Semicrystalline Structural Correlations of Conductivity in Conjugated Polymer Thin Films Surface-Doped by the Vapor Phase Method. ACS Applied Electronic Materials, 0, , .	4.3	0