

Stephane Mery

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1634185/publications.pdf>

Version: 2024-02-01

73
papers

1,563
citations

279798

23
h-index

315739

38
g-index

74
all docs

74
docs citations

74
times ranked

2101
citing authors

#	ARTICLE	IF	CITATIONS
1	Micron-Sized Main-Chain Liquid Crystalline Elastomer Actuators with Ultralarge Amplitude Contractions. <i>Journal of the American Chemical Society</i> , 2009, 131, 15000-15004.	13.7	248
2	Direct observation of orientation limit in a fast photorefractive polymer composite. <i>Applied Physics Letters</i> , 1999, 74, 2253-2255.	3.3	86
3	Bipolar carrier transport in a lamello-columnar mesophase of a sanidic liquid crystal. <i>Journal of Materials Chemistry</i> , 2002, 12, 37-41.	6.7	75
4	Backbone Stretching of Wormlike Carbosilane Dendrimers. <i>Macromolecules</i> , 2000, 33, 6185-6193.	4.8	59
5	Perylenediimide-Based Donor-Acceptor Dyads and Triads: Impact of Molecular Architecture on Self-Assembling Properties. <i>Journal of the American Chemical Society</i> , 2014, 136, 5981-5992.	13.7	54
6	Dendronized Polymers with Peripheral Oligo(ethylene oxide) Chains: Thermoresponsive Behavior and Shape Anisotropy in Solution. <i>Macromolecules</i> , 2011, 44, 8925-8935.	4.8	53
7	Rational Engineering of BODIPY-Bridged Trisindole Derivatives for Solar Cell Applications. <i>ChemSusChem</i> , 2017, 10, 1878-1882.	6.8	47
8	Nematic-nematic modification in side-on-fixed polysiloxanes. <i>Liquid Crystals</i> , 1990, 8, 565-575.	2.2	46
9	High net gain at 514 nm in a photorefractive polymer doped with a chalcone derivative. <i>Applied Physics Letters</i> , 1997, 71, 2248-2250.	3.3	45
10	Thiazole-based scaffolding for high performance solar cells. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4296-4303.	5.5	45
11	Thiazole as a weak electron-donor unit to lower the frontier orbital energy levels of donor-acceptor alternating conjugated materials. <i>Chemical Communications</i> , 2013, 49, 9938.	4.1	39
12	Low threshold amplified spontaneous emission and ambipolar charge transport in non-volatile liquid fluorene derivatives. <i>Chemical Communications</i> , 2016, 52, 3103-3106.	4.1	39
13	Sub-100 fs charge transfer in a novel donor-acceptor-donor triad organized in a smectic film. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 273-279.	2.8	38
14	Direct comparison of mechanical and electro-optic responses of a low Tg photorefractive doped polymer. <i>Journal of Applied Physics</i> , 2002, 91, 1710-1712.	2.5	37
15	Liquid crystals containing a 2,6-disubstituted anthracene core mesomorphism, charge transport and photochemical properties. <i>Journal of Materials Chemistry</i> , 2003, 13, 1622-1630.	6.7	37
16	Synclinic-anticlinic phase transition in tilted organosiloxane liquid crystals. <i>Journal of Materials Chemistry</i> , 2001, 11, 2700-2708.	6.7	36
17	Face-on orientation of fluorinated polymers conveyed by long alkyl chains: a prerequisite for high photovoltaic performances. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12038-12045.	10.3	32
18	Molecular Packing Determines Charge Separation in a Liquid Crystalline Bisthiophene-Perylene Diimide Donor-Acceptor Material. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1327-1334.	4.6	28

#	ARTICLE	IF	CITATIONS
19	Benzothiadiazole Halogenation Impact in Conjugated Polymers, a Comprehensive Study. <i>Macromolecules</i> , 2019, 52, 8006-8016.	4.8	26
20	Synthesis and mesomorphic properties of liquid crystals containing a perfluorinated segment via different linkers. <i>Journal of Fluorine Chemistry</i> , 2017, 197, 15-23.	1.7	25
21	On the Impact of Linear Siloxanated Side Chains on the Molecular Self-Assembling and Charge Transport Properties of Conjugated Polymers. <i>Advanced Functional Materials</i> , 2021, 31, 2007734.	14.9	25
22	Dendronized Polymers with Silver and Mercury Cations Recognition: Complexation Studies and Polyelectrolyte Behavior. <i>Macromolecules</i> , 2013, 46, 7075-7085.	4.8	24
23	Enhanced organic solar cells efficiency through electronic and electro-optic effects resulting from charge transfers in polymer hole transport blends. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4252-4263.	10.3	24
24	External stimulus driven variable-step grating in a nematic elastomer. <i>Optics Express</i> , 2007, 15, 6784.	3.4	23
25	X-ray, Dielectric and High Pressure Studies on a Compound Exhibiting Ferro-, Ferri- and Antiferroelectric Smectic Phases. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 292, 301-310.	0.3	20
26	Effects of Viscoelastic Properties on the Dielectric and Electrooptic Responses of Low-Tg Guest-Host Polymers. <i>Macromolecules</i> , 2003, 36, 2516-2525.	4.8	20
27	LUMO's modulation by electron withdrawing unit modification in amorphous TAT dumbbell-shaped molecules. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6620-6628.	10.3	20
28	Zipper-like molecular packing of donor-acceptor conjugated co-oligomers based on perylene diimide. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3342-3349.	5.5	18
29	Preparation of Multiallylic Dendronized Polymers via Anionic Polymerization. <i>Macromolecules</i> , 2007, 40, 55-64.	4.8	17
30	Structure-charge transfer property relationship in self-assembled discotic liquid-crystalline donor-acceptor dyad and triad thin films. <i>RSC Advances</i> , 2016, 6, 57811-57819.	3.6	17
31	Incorporation of spirobifluorene regioisomers in electron-donating molecular systems for organic solar cells. <i>RSC Advances</i> , 2016, 6, 25952-25959.	3.6	17
32	Improved structural order by side-chain engineering of organic small molecules for photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10794-10800.	5.5	17
33	Controlling charge separation and recombination by chemical design in donor-acceptor dyads. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18536-18548.	2.8	16
34	Influence of siloxane groups on the properties of some sulfinate ferroelectric liquid crystals derivatives. <i>Ferroelectrics</i> , 1998, 212, 133-141.	0.6	13
35	A solvent-free and vacuum-free melt-processing method to fabricate organic semiconducting layers with large crystal size for organic electronic applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3190-3198.	5.5	13
36	Photoactive Organic/Inorganic Hybrid Materials with Nanosegregated Donor-Acceptor Arrays. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8419-8424.	13.8	13

#	ARTICLE	IF	CITATIONS
37	Soft mode and related behaviour in the SmA and SmC* phases of a ferroelectric liquid crystalline polymer by dielectric spectroscopy. <i>Liquid Crystals</i> , 2002, 29, 837-842.	2.2	12
38	ITO-free Organic Photovoltaic Modules Based on Fluorinated Polymers Deposited from Non-halogenated Solution: A Major Step Toward Large-scale Module Production. <i>Solar Rrl</i> , 2019, 3, 1900273.	5.8	12
39	Do the Smectic O and the Antiferroelectric Smectic C Phases Belong to the Same Phase Type?. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 231, 257-262.	0.3	11
40	Ultrafast broadband laser spectroscopy reveals energy and charge transfer in novel donor-acceptor triads for photovoltaic applications. <i>Journal of Physics: Conference Series</i> , 2011, 276, 012006.	0.4	11
41	<title>Electro-optic properties of ferroelectric liquid crystalline polymers</title>. , 1992, 1665, 166.		10
42	Photo-patterning of the quadratic optical properties of doped photopolymers. <i>Chemical Physics Letters</i> , 2003, 379, 203-208.	2.6	10
43	Organization of a Polar Molecule at the Air-water Interface. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11627-11632.	2.6	10
44	Simultaneous Edge-on to Face-on Reorientation and 1D Alignment of Small Conjugated Molecules Using Room-temperature Mechanical Rubbing. <i>Advanced Functional Materials</i> , 2018, 28, 1707038.	14.9	10
45	Versatile and efficient functionalisation of multiallylic dendronised polymers: can dense packing be reached?. <i>Chemical Communications</i> , 2008, , 1341.	4.1	9
46	Synthesis of Ferroelectric Liquid Crystalline Polysiloxanes Having a Chiral n-Alkyl Tolansulfinate as the Pendant Group. <i>Macromolecules</i> , 1995, 28, 5440-5449.	4.8	8
47	Influence of the average molecular weight and the concentration of plasticizer on the orientational dynamics of chromophores in guest-host polymers. <i>Journal of Applied Physics</i> , 2006, 100, 043103.	2.5	8
48	Impact of the arrangement of functional moieties within small molecular systems for solution processable bulk heterojunction solar cells. <i>New Journal of Chemistry</i> , 2013, 37, 2317.	2.8	8
49	High-resolution noncontact AFM and Kelvin probe force microscopy investigations of self-assembled photovoltaic donor-acceptor dyads. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 799-808.	2.8	8
50	Efficient 3D charge transport in planar triazatruxene-based dumbbell-shaped molecules forming a bridged columnar phase. <i>Journal of Materials Chemistry A</i> , 0, , .	10.3	6
51	Photo-degradation in bulk heterojunction organic solar cells using a fullerene or a non-fullerene derivative electron acceptor. <i>Organic Electronics</i> , 2022, 107, 106549.	2.6	6
52	Functionalization of Biphenylcarbazole (CBP) with Siloxane-Hybrid Chains for Solvent-Free Liquid Materials. <i>Molecules</i> , 2022, 27, 89.	3.8	4
53	How Halogenation Impacts the Polymer Backbone Conformation: Learning from Combination of Solid-State MAS NMR and X-Ray Scattering. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	4
54	Low-Tg Photorefractive Materials Based on Bifunctional Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 322, 21-28.	0.3	3

#	ARTICLE	IF	CITATIONS
55	Preparation of multi-allylic dendronized polymers via atom-transfer radical polymerization. European Polymer Journal, 2019, 118, 358-364.	5.4	3
56	Photoactive Organic/Inorganic Hybrid Materials with Nanosegregated Donor-Acceptor Arrays. Angewandte Chemie, 2021, 133, 8500-8505.	2.0	3
57	Regioisomers of Organic Semiconducting Dumbbell-Shaped Molecules: Synthesis and Structure-Properties Relationship. European Journal of Organic Chemistry, 2021, 2021, 3170-3177.	2.4	3
58	Electron-Hole Separation in Perylene Diimide Based Self-Assembled Nanostructures: Microelectrostatics Analysis and Kinetic Monte Carlo Simulations. Journal of Physical Chemistry C, 2022, 126, 9762-9776.	3.1	3
59	Phthalocyanine-based dumbbell-shaped molecule: Synthesis, structure and charge transport studies. Dyes and Pigments, 2018, 154, 282-289.	3.7	2
60	<title>Progress in organic photorefractive material development</title>. , 1998, 3471, 22.		1
61	<title>New results on low-Tg photorefractive materials</title>. , 1998, , .		1
62	Chromophore doped photopolymers for integrated optics. , 2002, 4798, 53.		1
63	Organic materials with optical properties. Analisis - European Journal of Analytical Chemistry, 2000, 28, 99-102.	0.4	1
64	Bifunctional dimer and polymers for photorefractive applications. , 1997, 3144, 166.		0
65	<title>Photorefractive polymers with video-rate performance</title>. , 1999, , .		0
66	<title>4-ms response time in a photorefractive polymer</title>. , 1999, 3623, 168.		0
67	Effects of the viscoelastic properties on the orientational dynamics of chromophores in low T g guest-host polymers. , 2002, 4798, 69.		0
68	New materials for integrated optics based on functionalized photopolymers. , 2002, 4924, 106.		0
69	Optimization of the efficiencies of photorefractive polymers: correlations between viscoelastic properties and electro-optical responses. , 2002, , .		0
70	Photostructuring of nonlinear optical properties in doped photopolymers. , 2003, , .		0
71	Optical patterning of the quadratic optical properties of doped photopolymers for optical devices. , 2004, 5464, 392.		0
72	Ultrafast excitonic and charge transfer dynamics in nanostructured organic polymer materials. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
73	Role of the polymer viscoelasticity on the orientational processes of chromophores and on the photorefractive performances in low T _g -doped polymers. , 2002, , .		0