

Balogh, Dt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6796053/publications.pdf>

Version: 2024-02-01

108
papers

2,296
citations

236925

25
h-index

265206

42
g-index

113
all docs

113
docs citations

113
times ranked

2494
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan/Gold Nanoparticles Nanocomposite Film for Bisphenol A Electrochemical Sensing. <i>Electrochem</i> , 2022, 3, 239-247.	3.3	5
2	Chitosan-based glycerol-plasticized membranes: bactericidal and fibroblast cellular growth properties. <i>Polymer Bulletin</i> , 2021, 78, 4297-4312.	3.3	10
3	Bacterial cellulose growth on 3D acrylate-based microstructures fabricated by two-photon polymerization. <i>JPhys Photonics</i> , 2021, 3, 024003.	4.6	2
4	Femtosecond-laser selective printing of graphene oxide and PPV on polymeric microstructures. <i>Journal of Materials Science</i> , 2021, 56, 11569-11577.	3.7	5
5	Controlling surface wettability in methacrylic copolymer containing azobenzene by fs-laser microstructuring. <i>Optical Materials</i> , 2021, 116, 111083.	3.6	2
6	Insights on the mechanism of solid state reaction between TiO ₂ and BaCO ₃ to produce BaTiO ₃ powders: The role of calcination, milling, and mixing solvent. <i>Ceramics International</i> , 2020, 46, 2987-3001.	4.8	19
7	Coating with chitosan-based edible films for mechanical/biological protection of strawberries. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 1004-1011.	7.5	91
8	Large-area flexible 2D-colloidal crystals produced directly using roll-to-roll processing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 588, 124389.	4.7	10
9	Studies of Langmuir and Langmuir-Schaefer Films of Poly(3-Hexylthiophene) and Poly(Vinylidene) Tj ETQq1 1 0.784314 rgBT /Over 2.6	2.6	3
10	Fully-printed electrochemical sensors made with flexible screen-printed electrodes modified by roll-to-roll slot-die coating. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112428.	10.1	44
11	Bulk-heterojunction polymer photovoltaic cells manufactured using non-halogenated and non-aromatic solvent. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6927-6936.	2.2	1
12	Microbial nanocellulose adherent to human skin used in electrochemical sensors to detect metal ions and biomarkers in sweat. <i>Talanta</i> , 2020, 218, 121153.	5.5	76
13	Three-dimensional structures fabricated after laser-induced free radical generation in azoaromatic compounds. <i>Optical Materials Express</i> , 2020, 10, 1792.	3.0	5
14	Influence of Alkyl Chains of Modified Polysuccinimide-Based Polycationic Polymers on Polyplex Formation and Transfection. <i>Macromolecular Bioscience</i> , 2019, 19, e1900117.	4.1	7
15	Micropatterning of poly(<i>p</i> -phenylene vinylene) by femtosecond laser induced forward transfer. <i>Polymer International</i> , 2019, 68, 160-163.	3.1	6
16	Femtosecond laser writing of PPV-doped three-dimensional polymeric microstructures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 479-483.	2.1	5
17	Understanding the interactions of imidazolium-based ionic liquids with cell membrane models. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29764-29777.	2.8	27
18	Feature size reduction in two-photon polymerization by optimizing resin composition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1158-1163.	2.1	7

#	ARTICLE	IF	CITATIONS
19	Direct Femtosecond Laser Printing of PPV on Bacterial Cellulose-Based Paper for Flexible Organic Devices. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800265.	3.6	5
20	Femtosecond-laser direct writing for spatially localized synthesis of PPV. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3579-3584.	5.5	3
21	Synthesis of a nanocomposite containing a water-soluble polythiophene derivative and gold nanoparticles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1245-1254.	2.1	7
22	Effect of hexyl substituent groups on photophysical and electrochemical properties of the poly[(9,9-Dioctylfluorene) ^{2,7} -diyl-alt-(4,7-bis(3-hexylthien-5-yl) ^{2,1,3} -benzothiadiazole) ^{2,2} -diyl]. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1975-1982.	2.2	2
23	One-pot synthesis of poly-(3-hexylthiophene) with variable degrees of molar mass and regioregularity. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	6
24	Effects of the host molecular dynamics on the photoemission temperature dependence of host/guest photoluminescent blends. <i>Polymer</i> , 2016, 90, 132-137.	3.8	9
25	Synthesis of a PPV-fluorene derivative: Applications in luminescent devices. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	9
26	Internal plasticization of chitosan with oligo(dl-lactic acid) branches. <i>Polymer</i> , 2014, 55, 2645-2651.	3.8	6
27	Effect of molecular architectures in photoinduced birefringence in films of azo-modified diblock copolymers. <i>Optical Materials</i> , 2014, 37, 816-822.	3.6	3
28	Langmuir and Langmuir-Schaefer Films of Poly(3-hexylthiophene) with Gold Nanoparticles and Gold Nanoparticles Capped with 1-Octadecanethiol. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12944-12951.	3.1	11
29	Absolute photoluminescence quantum efficiency of P3HT/CHCl ₃ solution by Thermal Lens Spectrometry. <i>Synthetic Metals</i> , 2013, 163, 38-41.	3.9	15
30	Femtosecond laser induced synthesis of Au nanoparticles mediated by chitosan. <i>Optics Express</i> , 2012, 20, 518.	3.4	18
31	Optical chemical sensors using polythiophene derivatives as active layer for detection of volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 307-312.	7.8	59
32	Optically anisotropic and photoconducting Langmuir-Blodgett films of neat poly(3-hexylthiophene). <i>Thin Solid Films</i> , 2012, 520, 2208-2210.	1.8	8
33	Regioregular improvement on the oxidative polymerization of poly(3-octylthiophenes) by slow addition of oxidant at low temperature. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3222-3228.	2.6	10
34	Hydrophobic methacrylic copolymers containing azobenzene moieties. <i>Polymer</i> , 2011, 52, 4703-4708.	3.8	8
35	Laser microstructuring for fabricating superhydrophobic polymeric surfaces. <i>Applied Surface Science</i> , 2011, 257, 3281-3284.	6.1	74
36	Molecular-level interactions of an azopolymer and poly(dodecylmethacrylate) in mixed Langmuir and Langmuir-Blodgett films for optical storage. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 87-95.	9.4	14

#	ARTICLE	IF	CITATIONS
37	Polymeric coatings for photostability enhancement of poly(p-phenylene vinylene) derivative films. <i>Polymer International</i> , 2010, 59, 637-641.	3.1	10
38	Synthesis and characterization of copolymers of alkyl- and azo-thiophenes: Chromic properties and photoinduced birefringence. <i>Journal of Applied Polymer Science</i> , 2009, 114, 680-687.	2.6	9
39	Detection of phenolic compounds using impedance spectroscopy measurements. <i>Bioprocess and Biosystems Engineering</i> , 2009, 32, 41-46.	3.4	33
40	Optical VOCs detection using poly(3-alkylthiophenes) with different side-chain lengths. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 55-60.	7.8	19
41	Incorporation of a liquid crystal to enhance the luminescence properties of Langmuir-Blodgett films of OC10C6-PPV. <i>Journal of Luminescence</i> , 2009, 129, 1381-1384.	3.1	0
42	Synthesis of azopolymers with controlled structure and photoinduced birefringence in their LB films. <i>Polymer</i> , 2009, 50, 491-498.	3.8	16
43	Optical, electrical, and thermochromic properties of polyazothiophene Langmuir-Blodgett films. <i>Colloid and Polymer Science</i> , 2008, 286, 1395-1401.	2.1	10
44	Optical birefringence induced by two-photon absorption in polythiophene bearing an azochromophore. <i>Polymer</i> , 2008, 49, 1562-1566.	3.8	20
45	Light Emitting Diodes Containing Langmuir-Blodgett Films of Copolymer of a Poly(p-phenylene-vinylene) Derivative and Poly(octaneoxide). <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2432-2435.	0.9	6
46	Fabrication of novel light-emitting devices based on green-phosphor/conductive-polymer composites. <i>Philosophical Magazine Letters</i> , 2007, 87, 403-408.	1.2	10
47	Incorporation of azobenzene chromophore into poly(amide-imide). <i>Journal of Applied Polymer Science</i> , 2007, 103, 841-847.	2.6	5
48	Three- and Four-Photon Excitation of Poly(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene) (MEH-PPV). <i>Advanced Materials</i> , 2007, 19, 2653-2656.	21.0	30
49	Excited state absorption in conjugated polymers: Photoinduced transparency. <i>Polymer</i> , 2007, 48, 5303-5307.	3.8	9
50	Study of the growth process of in situ polyaniline deposited films. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 292-297.	9.4	26
51	Quantitative depth profile study of polyaniline films by photothermal spectroscopies. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 86, 395-401.	2.3	9
52	Effect of ion concentration of ionomer in electron injection layer of polymer light-emitting devices. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1686-1690.	3.1	2
53	Photoinduced birefringence in blends of a polyurethane bearing azobenzene moieties and a poly(amide-imide). <i>Polymer International</i> , 2006, 55, 1069-1074.	3.1	3
54	Molecular weight effect on the photoinduced birefringence and surface relief gratings formation of a methacrylate azopolymer. <i>European Polymer Journal</i> , 2006, 42, 2589-2595.	5.4	20

#	ARTICLE	IF	CITATIONS
55	Synthesis and characterization of a dye-functionalized polythiophene with different chromic properties. <i>European Polymer Journal</i> , 2006, 42, 3303-3310.	5.4	24
56	The influence of preparation method of OC1OC6-PPV films on the photo-oxidation process. <i>Polymer Degradation and Stability</i> , 2006, 91, 2342-2346.	5.8	7
57	Induced transparency in polythiophene bearing azobenzene moieties. <i>Polymer</i> , 2006, 47, 7436-7440.	3.8	8
58	Effect of temperature on emission of MEH-PPV/PS solid-state solution. <i>Journal of Luminescence</i> , 2006, 116, 87-93.	3.1	22
59	Surface morphology and optical characterization of OC1 OC6-PPV films. <i>Brazilian Journal of Physics</i> , 2006, 36, 496-498.	1.4	2
60	Morphology characterization of layer-by-layer films from PAH/MA-co-DR13: the role of film thickness. <i>Journal of Colloid and Interface Science</i> , 2005, 285, 544-550.	9.4	25
61	Langmuir and Langmuir-Blodgett (LB) films of poly[(2-methoxy,5-n-octadecyl)-p-phenylenevinylene] (OC1OC18-PPV). <i>Polymer</i> , 2005, 46, 5140-5148.	3.8	23
62	Optical storage and surface-relief gratings in azobenzene-containing nanostructured films. <i>Advances in Colloid and Interface Science</i> , 2005, 116, 179-192.	14.7	132
63	Polymer light emitting devices with Langmuir-Blodgett (LB) films: Enhanced performance due to an electron-injecting layer of ionomers. <i>Chemical Physics Letters</i> , 2005, 408, 31-36.	2.6	24
64	Preparação e caracterização óptica de filmes de poli(estireno sulfonados) dopados com neodímio. <i>Química Nova</i> , 2005, 28, 964-967.	0.3	4
65	Determinação das constantes K e alfa da equação de Mark-Houwink de poli(p-acetoxiestireno). <i>Polímeros</i> , 2004, 14, 80-82.	0.7	4
66	Photoluminescence of MEH-PPV/PS blends. <i>Brazilian Journal of Physics</i> , 2004, 34, 697-698.	1.4	17
67	Influence of Solution Treatment on the Adsorption and Morphology of Poly(o-methoxyaniline) Layer-by-Layer Films. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13599-13606.	2.6	26
68	In situ UV-vis absorbance measurements for Langmuir films of poly[4-[[2-(methacryloyloxy)-ethyl]ethylamino]-2-chloro-4-nitroazobenzene] (HPDR13) azopolymer. <i>Journal of Colloid and Interface Science</i> , 2004, 276, 138-142.	9.4	9
69	Characterization of indium-tin-oxide films treated by different procedures: effect of treatment time in aqua regia solution. <i>Materials Science and Engineering C</i> , 2004, 24, 595-599.	7.3	9
70	Ellipsometry study of the photo-oxidation of poly[(2-methoxy-5-hexyloxy)-p-phenylenevinylene]. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1033-1041.	2.1	32
71	Chromophore Relaxation in a Side-Chain Methacrylate Copolymer Functionalized with 4-[N-Ethyl-N-(2-hydroxyethyl)]amino-2-chloro-4-nitroazobenzene. <i>Macromolecules</i> , 2004, 37, 2618-2624.	4.8	13
72	Nonlinear Absorption Spectrum in MEH-PPV/Chloroform Solution: A Competition between Two-Photon and Saturated Absorption Processes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5221-5224.	2.6	51

#	ARTICLE	IF	CITATIONS
73	Synthesis of Poly(styrene-co-methyl methacrylate)-Based Ionomers and Their Langmuir and Langmuir-Blodgett (LB) Film Formation. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7033-7039.	2.6	10
74	Competition between anchoring and reversible photo-induced alignment of a nematic liquid crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 77, 911-914.	2.3	16
75	Poly[1,4-(bis-3-quinolyl)-buta-1,3-diyne] nonlinear optical properties and its Langmuir and Langmuir-Blodgett film formation. <i>Materials Chemistry and Physics</i> , 2003, 80, 541-547.	4.0	3
76	Anisotropy in the optical properties of oriented Langmuir-Blodgett films of OC1OC6-PPV. <i>Chemical Physics Letters</i> , 2003, 381, 404-409.	2.6	14
77	The influence of pH in nonresonant third-order nonlinearities of amino acid solutions. <i>Optics Communications</i> , 2003, 216, 233-237.	2.1	7
78	Unusual Interactions Binding Iron Tetrasulfonated Phthalocyanine and Poly(allylamine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (hy	2.6	100
79	Langmuir and Langmuir-Blodgett Films of Poly[2-methoxy-5-(n-hexyloxy)-p-phenylenevinylene]. <i>Langmuir</i> , 2003, 19, 8835-8842.	3.5	34
80	Enhanced optical and electrical properties of layer-by-layer luminescent films. <i>Journal of Applied Physics</i> , 2003, 94, 5592-5598.	2.5	12
81	Thermal-lens study of thermo-optical and spectroscopic properties of polyaniline. <i>Review of Scientific Instruments</i> , 2003, 74, 866-868.	1.3	8
82	Optical storage properties in cast films of an azopolymer. <i>Materials Research</i> , 2003, 6, 409-414.	1.3	7
83	Solvent Effects on the Photodegradation of a PPV Derivative. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 475-480.	0.9	10
84	Photoconduction Effect on PPV and MH-PPV Structures. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 451-456.	0.9	6
85	Analysis of Polyaniline Films Using Atomic Force Microscopy. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 191-200.	0.9	1
86	Conductive Blends of Polyaniline and Poly(Amide-Imide). <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 463-468.	0.9	3
87	Surface Morphology and Molecular Organization of Lignins in Langmuir-Blodgett Films. <i>Langmuir</i> , 2002, 18, 6593-6596.	3.5	39
88	Thermal lensing in poly(vinyl alcohol)/polyaniline blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 1949-1956.	2.1	21
89	Aggregation in Langmuir and Langmuir-Blodgett films of azopolymers and its role for optically induced birefringence. <i>Polymer</i> , 2002, 43, 4385-4390.	3.8	12
90	The influence of electrostatic and H-bonding interactions on the optical storage of layer-by-layer films of an azopolymer. <i>Polymer</i> , 2002, 43, 4645-4650.	3.8	33

#	ARTICLE	IF	CITATIONS
91	Two-photon absorption in azoaromatic compounds. <i>Chemical Physics Letters</i> , 2002, 361, 209-213.	2.6	49
92	Solvent Effects on the Photodegradation of a PPV Derivative. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 475-480.	0.3	5
93	Optical storage in mixed Langmuir-Blodgett (LB) films of disperse Red 19. <i>Synthetic Metals</i> , 2001, 121, 1479-1480.	3.9	12
94	Reversible photovoltaic/electroluminescent effects of Al/MH-PPV/ITO structures. <i>Synthetic Metals</i> , 2001, 121, 1579-1580.	3.9	6
95	Langmuir Films of an Oligo(p-phenylene vinylene) Functionalized with a Diaminotriazine Headgroup. <i>Langmuir</i> , 2001, 17, 3281-3285.	3.5	19
96	Optical storage in mixed Langmuir-Blodgett (LB) films of azopolymers and cadmium stearate. <i>Polymer</i> , 2001, 42, 6539-6544.	3.8	34
97	Micro-Raman Scattering Imaging of Langmuir-Blodgett Surface Relief Gratings. <i>Advanced Functional Materials</i> , 2001, 11, 65-68.	14.9	12
98	Dichroism Induced by Photoisomerization of Aniline Tetramers in Polymeric Films. <i>Advanced Materials</i> , 2000, 12, 1126-1129.	21.0	6
99	Chromophore aggregation hampers photoisomerization in Langmuir-Blodgett films of stearyl ester of Disperse Red-13 (DR13St). <i>Chemical Physics Letters</i> , 2000, 317, 1-5.	2.6	31
100	A simple method to estimate the oxidation state of polyanilines. <i>Synthetic Metals</i> , 2000, 113, 19-22.	3.9	258
101	Corona poling and electroactivity in a side-chain methacrylate copolymer. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2000, 7, 572-577.	2.9	10
102	Conductivity of carbon black-PE composites as a function of temperature and UV aging. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2000, 7, 855-859.	2.9	13
103	Langmuir monolayers of lignins obtained with different isolation methods. <i>Thin Solid Films</i> , 1999, 354, 215-221.	1.8	26
104	Storage Studies of Langmuir-Blodgett (LB) Films of Methacrylate Copolymers Derivatized with Disperse Red-13. <i>Macromolecules</i> , 1999, 32, 5277-5284.	4.8	50
105	Optically Induced Birefringence and Surface Relief Gratings in Composite Langmuir-Blodgett (LB) Films of Poly[4-[[2-(methacryloyloxy)ethyl]ethylamino]-2-chloro-4-nitroazobenzene] (HPDR13) and Cadmium Stearate. <i>Macromolecules</i> , 1999, 32, 1493-1499.	4.8	66
106	Optical Storage in Mixed Langmuir-Blodgett (LB) Films of Disperse Red-19 Isophorone Polyurethane and Cadmium Stearate. <i>Langmuir</i> , 1999, 15, 4560-4564.	3.5	36
107	Langmuir and Langmuir-Blodgett films of a homopolymer of Disperse Red-13. <i>Thin Solid Films</i> , 1998, 323, 257-264.	1.8	27
108	Mixed Langmuir and Langmuir-Blodgett Films of Disperse Red-13 Dye-Derivatized Methacrylic Homopolymer and Cadmium Stearate. <i>Langmuir</i> , 1998, 14, 3614-3619.	3.5	20