Balogh, Dt

List of Publications by Year
in descending order

108	2,296	236925 25	265206 42
papers	citations	h-index	g-index

113	113	113	2494
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A simple method to estimate the oxidation state of polyanilines. Synthetic Metals, 2000, 113, 19-22.	3.9	258
2	Optical storage and surface-relief gratings in azobenzene-containing nanostructured films. Advances in Colloid and Interface Science, 2005, 116, 179-192.	14.7	132
3	Unusual Interactions Binding Iron Tetrasulfonated Phthalocyanine and Poly(allylamine) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66	2.6	100
4	Coating with chitosan-based edible films for mechanical/biological protection of strawberries. International Journal of Biological Macromolecules, 2020, 151, 1004-1011.	7.5	91
5	Microbial nanocellulose adherent to human skin used in electrochemical sensors to detect metal ions and biomarkers in sweat. Talanta, 2020, 218, 121153.	5.5	76
6	Laser microstructuring for fabricating superhydrophobic polymeric surfaces. Applied Surface Science, 2011, 257, 3281-3284.	6.1	74
7	Optically Induced Birefringence and Surface Relief Gratings in Composite Langmuirâ˜Blodgett (LB) Films of Poly[4â€˜-[[2-(methacryloyloxy)ethyl]ethylamino]-2-chloro-4-nitroazobenzene] (HPDR13) and Cadmium Stearate. Macromolecules, 1999, 32, 1493-1499.	4.8	66
8	Optical chemical sensors using polythiophene derivatives as active layer for detection of volatile organic compounds. Sensors and Actuators B: Chemical, 2012, 162, 307-312.	7.8	59
9	Nonlinear Absorption Spectrum in MEH-PPV/Chloroform Solution:Â A Competition between Two-Photon and Saturated Absorption Processes. Journal of Physical Chemistry B, 2004, 108, 5221-5224.	2.6	51
10	Storage Studies of Langmuirâ˜Blodgett (LB) Films of Methacrylate Copolymers Derivatized with Disperse Red-13. Macromolecules, 1999, 32, 5277-5284.	4.8	50
11	Two-photon absorption in azoaromatic compounds. Chemical Physics Letters, 2002, 361, 209-213.	2.6	49
12	Fully-printed electrochemical sensors made with flexible screen-printed electrodes modified by roll-to-roll slot-die coating. Biosensors and Bioelectronics, 2020, 165, 112428.	10.1	44
13	Surface Morphology and Molecular Organization of Lignins in Langmuirâ˜Blodgett Films. Langmuir, 2002, 18, 6593-6596.	3.5	39
14	Optical Storage in Mixed Langmuirâ˜Blodgett (LB) Films of Disperse Red-19 Isophorone Polyurethane and Cadmium Stearate. Langmuir, 1999, 15, 4560-4564.	3.5	36
15	Optical storage in mixed Langmuirâ€“Blodgett (LB) films of azopolymers and cadmium stearate. Polymer, 2001, 42, 6539-6544.	3.8	34
16	Langmuir and Langmuirâ˜Blodgett Films of Poly[2-methoxy-5-(n-hexyloxy)-p-phenylenevinylene]. Langmuir, 2003, 19, 8835-8842.	3.5	34
17	The influence of electrostatic and H-bonding interactions on the optical storage of layer-by-layer films of an azopolymer. Polymer, 2002, 43, 4645-4650.	3.8	33
18	Detection of phenolic compounds using impedance spectroscopy measurements. Bioprocess and Biosystems Engineering, 2009, 32, 41-46.	3.4	33

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19	Ellipsometry study of the photo-oxidation of poly[(2-methoxy-5-hexyloxy)-p-phenylenevinylene]. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1033-1041.	2.1	32
20	Chromophore aggregation hampers photoisomerization in Langmuirâ€“Blodgett films of stearoyl ester of Disperse Red-13 (DR13St). Chemical Physics Letters, 2000, 317, 1-5.	2.6	31
21	Threeâ€•and Fourâ€Photon Excitation of Poly(2â€methoxyâ€5â€(2â€²â€ethylhexyloxy)â€1,4â€phenylenevinylene) (MEHâ€PPV). Advanced Materials, 2007, 19, 2653-2656.	21.0	30
22	Langmuir and Langmuirâ€“Blodgett films of a homopolymer of Disperse Red-13. Thin Solid Films, 1998, 323, 257-264.	1.8	27
23	Understanding the interactions of imidazolium-based ionic liquids with cell membrane models. Physical Chemistry Chemical Physics, 2018, 20, 29764-29777.	2.8	27
24	Langmuir monolayers of lignins obtained with different isolation methods. Thin Solid Films, 1999, 354, 215-221.	1.8	26
25	Influence of Solution Treatment on the Adsorption and Morphology of Poly(o-methoxyaniline) Layer-by-Layer Films. Journal of Physical Chemistry B, 2004, 108, 13599-13606.	2.6	26
26	Study of the growth process of in situ polyaniline deposited films. Journal of Colloid and Interface Science, 2007, 316, 292-297.	9.4	26
27	Morphology characterization of layer-by-layer films from PAH/MA-co-DR13: the role of film thickness. Journal of Colloid and Interface Science, 2005, 285, 544-550.	9.4	25
28	Polymer light emitting devices with Langmuirâ€“Blodgett (LB) films: Enhanced performance due to an electron-injecting layer of ionomers. Chemical Physics Letters, 2005, 408, 31-36.	2.6	24
29	Synthesis and characterization of a dye-functionalized polythiophene with different chromic properties. European Polymer Journal, 2006, 42, 3303-3310.	5.4	24
30	Langmuir and Langmuir-Blodgett (LB) films of poly[(2-methoxy,5-n-octadecyl)-p-phenylenevinylene] (OC1OC18-PPV). Polymer, 2005, 46, 5140-5148.	3.8	23
31	Effect of temperature on emission of MEHâ€“PPV/PS solid-state solution. Journal of Luminescence, 2006, 116, 87-93.	3.1	22
32	Thermal lensing in poly(vinyl alcohol)/polyaniline blends. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1949-1956.	2.1	21
33	Mixed Langmuir and Langmuirâ€’Blodgett Films of Disperse Red-13 Dye-Derivatized Methacrylic Homopolymer and Cadmium Stearate. Langmuir, 1998, 14, 3614-3619.	3.5	20
34	Molecular weight effect on the photoinduced birefringence and surface relief gratings formation of a methacrylate azopolymer. European Polymer Journal, 2006, 42, 2589-2595.	5.4	20
35	Optical birefringence induced by two-photon absorption in polythiophene bearing an azochromophore. Polymer, 2008, 49, 1562-1566.	3.8	20
36	Langmuir Films of an Oligo(p-phenylene vinylene) Functionalized with a Diaminotriazine Headgroup. Langmuir, 2001, 17, 3281-3285.	3.5	19

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37	Optical VOCs detection using poly(3-alkylthiophenes) with different side-chain lengths. Sensors and Actuators B: Chemical, 2009, 142, 55-60.	7.8	19
38	Insights on the mechanism of solid state reaction between TiO2 and BaCO3 to produce BaTiO3 powders: The role of calcination, milling, and mixing solvent. Ceramics International, 2020, 46, 2987-3001.	4.8	19
39	Femtosecond laser induced synthesis of Au nanoparticles mediated by chitosan. Optics Express, 2012, 20, 518.	3.4	18
40	Photoluminescence of MEH-PPV/PS blends. Brazilian Journal of Physics, 2004, 34, 697-698.	1.4	17
41	Competition between anchoring and reversible photo-induced alignment of a nematic liquid crystal. Applied Physics A: Materials Science and Processing, 2003, 77, 911-914.	2.3	16
42	Synthesis of azopolymers with controlled structure and photoinduced birefringence in their LB films. Polymer, 2009, 50, 491-498.	3.8	16
43	Absolute photoluminescence quantum efficiency of P3HT/CHCl3 solution by Thermal Lens Spectrometry. Synthetic Metals, 2013, 163, 38-41.	3.9	15
44	Anisotropy in the optical properties of oriented Langmuirâ€“Blodgett films of OC1OC6-PPV. Chemical Physics Letters, 2003, 381, 404-409.	2.6	14
45	Molecular-level interactions of an azopolymer and poly(dodecylmethacrylate) in mixed Langmuir and Langmuirâ€“Blodgett films for optical storage. Journal of Colloid and Interface Science, 2010, 346, 87-95.	9.4	14
46	Conductivity of carbon black-PE composites as a function of temperature and UV aging. IEEE Transactions on Dielectrics and Electrical Insulation, 2000, 7, 855-859.	2.9	13
47	Chromophore Relaxation in a Side-Chain Methacrylate Copolymer Functionalized with 4-[N-Ethyl-N-(2-hydroxyethyl)]amino-2â€˜-chloro-4â€˜-nitroazobenzene. Macromolecules, 2004, 37, 2618-2624.	4.8	13
48	Optical storage in mixed Langmuir-Blodgett (LB) films of disperse Red 19. Synthetic Metals, 2001, 121, 1479-1480.	3.9	12
49	Micro-Raman Scattering Imaging of Langmuir-Blodgett Surface Relief Gratings. Advanced Functional Materials, 2001, 11, 65-68.	14.9	12
50	Aggregation in Langmuir and Langmuirâ€“Blodgett films of azopolymers and its role for optically induced birefringence. Polymer, 2002, 43, 4385-4390.	3.8	12
51	Enhanced optical and electrical properties of layer-by-layer luminescent films. Journal of Applied Physics, 2003, 94, 5592-5598.	2.5	12
52	Langmuir and Langmuirâ€“Schaefer Films of Poly(3-hexylthiophene) with Gold Nanoparticles and Gold Nanoparticles Capped with 1-Octadecanethiol. Journal of Physical Chemistry C, 2014, 118, 12944-12951.	3.1	11
53	Corona poling and electroactivity in a side-chain methacrylate copolymer. IEEE Transactions on Dielectrics and Electrical Insulation, 2000, 7, 572-577.	2.9	10
54	Solvent Effects on the Photodegration of a PPV Derivative. Molecular Crystals and Liquid Crystals, 2002, 374, 475-480.	0.9	10

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55	Synthesis of Poly(styrene-co-methyl methacrylate)-Based Ionomers and Their Langmuir and Langmuirâ"Blodgett (LB) Film Formation. Journal of Physical Chemistry B, 2004, 108, 7033-7039.	2.6	10
56	Fabrication of novel light-emitting devices based on green-phosphor/conductive-polymer composites. Philosophical Magazine Letters, 2007, 87, 403-408.	1.2	10
57	Optical, electrical, and thermochromic properties of polyazothiophene Langmuirâ€"Blodgett films. Colloid and Polymer Science, 2008, 286, 1395-1401.	2.1	10
58	Polymeric coatings for photostability enhancement of poly(pâ€phenylene vinylene) derivative films. Polymer International, 2010, 59, 637-641.	3.1	10
59	Regioregular improvement on the oxidative polymerization of polyâ€3â€octylthiophenes by slow addition of oxidant at low temperature. Journal of Applied Polymer Science, 2012, 124, 3222-3228.	2.6	10
60	Large-area flexible 2D-colloidal crystals produced directly using roll-to-roll processing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 588, 124389.	4.7	10
61	Chitosan-based glycerol-plasticized membranes: bactericidal and fibroblast cellular growth properties. Polymer Bulletin, 2021, 78, 4297-4312.	3.3	10
62	In situ UVâ€"vis absorbance measurements for Langmuir films of poly[4â€²-[[2-(methacryloyloxy)-ethyl]ethylamino]-2-chloro-4-nitroazobenzene] (HPDR13) azopolymer. Journal of Colloid and Interface Science, 2004, 276, 138-142.	9.4	9
63	Characterization of indium-tin-oxide films treated by different procedures: effect of treatment time in aqua regia solution. Materials Science and Engineering C, 2004, 24, 595-599.	7.3	9
64	Excited state absorption in conjugated polymers: Photoinduced transparency. Polymer, 2007, 48, 5303-5307.	3.8	9
65	Quantitative depth profile study of polyaniline films by photothermal spectroscopies. Applied Physics A: Materials Science and Processing, 2007, 86, 395-401.	2.3	9
66	Synthesis and characterization of copolymers of alkylâ€•and azoâ€thiophenes: Chromic properties and photoinduced birefringence. Journal of Applied Polymer Science, 2009, 114, 680-687.	2.6	9
67	Synthesis of a PPVâ€fluorene derivative: Applications in luminescent devices. Journal of Applied Polymer Science, 2015, 132, .	2.6	9
68	Effects of the host molecular dynamics on the photoemission temperature dependence of host/guest photoluminescent blends. Polymer, 2016, 90, 132-137.	3.8	9
69	Thermal-lens study of thermo-optical and spectroscopic properties of polyaniline. Review of Scientific Instruments, 2003, 74, 866-868.	1.3	8
70	Induced transparency in polythiophene bearing azobenzene moieties. Polymer, 2006, 47, 7436-7440.	3.8	8
71	Hydrophobic methacrylic copolymers containing azobenzene moieties. Polymer, 2011, 52, 4703-4708.	3.8	8
72	Optically anisotropic and photoconducting Langmuirâ€"Blodgett films of neat poly(3-hexylthiophene). Thin Solid Films, 2012, 520, 2208-2210.	1.8	8

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73	The influence of pH in nonresonant third-order nonlinearities of amino acid solutions. Optics Communications, 2003, 216, 233-237.	2.1	7
74	Optical storage properties in cast films of an azopolymer. Materials Research, 2003, 6, 409-414.	1.3	7
75	The influence of preparation method of OC1OC6-PPV films on the photo-oxidation process. Polymer Degradation and Stability, 2006, 91, 2342-2346.	5.8	7
76	Synthesis of a nanocomposite containing a water-soluble polythiophene derivative and gold nanoparticles. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1245-1254.	2.1	7
77	Feature size reduction in twoâ€photon polymerization by optimizing resin composition. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1158-1163.	2.1	7
78	Influence of Alkyl Chains of Modified Polysuccinimideâ€Based Polycationic Polymers on Polyplex Formation and Transfection. Macromolecular Bioscience, 2019, 19, e1900117.	4.1	7
79	Dichroism Induced by Photoisomerization of Aniline Tetramers in Polymeric Films. Advanced Materials, 2000, 12, 1126-1129.	21.0	6
80	Reversible photovoltaic/electroluminescent effects of Al/MH-PPV/ITO structures. Synthetic Metals, 2001, 121, 1579-1580.	3.9	6
81	Photoconduction Effect on PPV and MH-PPV Structures. Molecular Crystals and Liquid Crystals, 2002, 374, 451-456.	0.9	6
82	Light Emitting Diodes Containing Langmuir-Blodgett Films of Copolymer of a Poly(p-phenylene-vinylene) Derivative and Poly(octaneoxide). Journal of Nanoscience and Nanotechnology, 2008, 8, 2432-2435.	0.9	6
83	Internal plasticization of chitosan with oligo(dl-lactic acid) branches. Polymer, 2014, 55, 2645-2651.	3.8	6
84	One-pot synthesis of poly-(3-hexylthiophene) with variable degrees of molar mass and regioregularity. Journal of Polymer Research, 2016, 23, 1.	2.4	6
85	Micropatterning of poly(pâ€phenylene vinylene) by femtosecond laser induced forward transfer. Polymer International, 2019, 68, 160-163.	3.1	6
86	Incorporation of azobenzene chromophore into poly(amide-imide). Journal of Applied Polymer Science, 2007, 103, 841-847.	2.6	5
87	Femtosecond laser writing of PPVâ€doped threeâ€dimensional polymeric microstructures. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 479-483.	2.1	5
88	Direct Femtosecond Laser Printing of PPV on Bacterial Celluloseâ€Based Paper for Flexible Organic Devices. Macromolecular Materials and Engineering, 2018, 303, 1800265.	3.6	5
89	Femtosecond-laser selective printing of graphene oxide and PPV on polymeric microstructures. Journal of Materials Science, 2021, 56, 11569-11577.	3.7	5
90	Solvent Effects on the Photodegration of a PPV Derivative. Molecular Crystals and Liquid Crystals, 2002, 374, 475-480.	0.3	5

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91	Three-dimensional structures fabricated after laser-induced free radical generation in azoaromatic compounds. Optical Materials Express, 2020, 10, 1792.	3.0	5
92	Chitosan/Gold Nanoparticles Nanocomposite Film for Bisphenol A Electrochemical Sensing. Electrochem, 2022, 3, 239-247.	3.3	5
93	DeterminaÃ§Ã£o das constantes K e alfa da equaÃ§Ã£o de Mark-Houwink de poli(p-acetÃ³xiestireno). Polimeros, 2004, 14, 80-82.	0.7	4
94	PreparaÃ§Ã£o e caracterizaÃ§Ã£o Ã³ptica de filmes de poli(estireno sulfonados) dopados com neodÃmio. Quimica Nova, 2005, 28, 964-967.	0.3	4
95	Effect of hexyl substituent groups on photophysical and electrochemical properties of the poly[(9,9â€Dioctyluorene)â^'2,7â€diylâ€altâ€(4,7â€bis (3â€Hexylthienâ€5â€Yl)â^'2,1,3â€Benzothiadiazole)â^'2â€²,2â€²â€diyl]. Journal Polymer Science, Part B: Polymer Physics, 2016, 54, 1975-1982.	2.2	4
96	Conductive Blends of Polyaniline and Poly(Amide-Imide). Molecular Crystals and Liquid Crystals, 2002, 374, 463-468.	0.9	3
97	Poly[1,4-(bis-3-quinolyl)-buta-1,3-diyne] nonlinear optical properties and its Langmuir and Langmuirâ€“Blodgett film formation. Materials Chemistry and Physics, 2003, 80, 541-547.	4.0	3
98	Photoinduced birefringence in blends of a polyurethane bearing azobenzene moieties and a poly(amide-imide). Polymer International, 2006, 55, 1069-1074.	3.1	3
99	Effect of molecular architectures in photoinduced birefringence in films of azo-modified diblock copolymers. Optical Materials, 2014, 37, 816-822.	3.6	3
100	Femtosecond-laser direct writing for spatially localized synthesis of PPV. Journal of Materials Chemistry C, 2017, 5, 3579-3584.	5.5	3
101	Studies of Langmuir and Langmuirâ€“Schaefer Films of Poly(3-Hexylthiophene) and Poly(Vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock	2.6	3
102	Effect of ion concentration of ionomer in electron injection layer of polymer light-emitting devices. Journal of Non-Crystalline Solids, 2006, 352, 1686-1690.	3.1	2
103	Bacterial cellulose growth on 3D acrylate-based microstructures fabricated by two-photon polymerization. JPhys Photonics, 2021, 3, 024003.	4.6	2
104	Controlling surface wettability in methacrylic copolymer containing azobenzene by fs-laser microstructuring. Optical Materials, 2021, 116, 111083.	3.6	2
105	Surface morphology and optical characterization of OC1 OC6-PPV films. Brazilian Journal of Physics, 2006, 36, 496-498.	1.4	2
106	Analysis of Polyaniline Films Using Atomic Force Microscopy. Molecular Crystals and Liquid Crystals, 2002, 374, 191-200.	0.9	1
107	Bulk-heterojunction polymer photovoltaic cells manufactured using non-halogenated and non-aromatic solvent. Journal of Materials Science: Materials in Electronics, 2020, 31, 6927-6936.	2.2	1
108	Incorporation of a liquid crystal to enhance the luminescence properties of Langmuirâ€“Blodgett films of OC1OC6-PPV. Journal of Luminescence, 2009, 129, 1381-1384.	3.1	0