

Umberto Giovannella

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8552926/publications.pdf>

Version: 2024-02-01

93
papers

3,407
citations

186265

28
h-index

155660

55
g-index

95
all docs

95
docs citations

95
times ranked

4888
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Circularly Polarized Electroluminescence from a Chiral Europium Complex. <i>Advanced Materials</i> , 2015, 27, 1791-1795.	21.0	365
2	Cu(I) hybrid inorganic-organic materials with intriguing stimuli responsive and optoelectronic properties. <i>Coordination Chemistry Reviews</i> , 2016, 306, 566-614.	18.8	337
3	Design of Lanthanide-Based OLEDs with Remarkable Circularly Polarized Electroluminescence. <i>Advanced Functional Materials</i> , 2017, 27, 1603719.	14.9	293
4	Thiophene Based Europium β -Diketonate Complexes: Effect of the Ligand Structure on the Emission Quantum Yield. <i>Inorganic Chemistry</i> , 2011, 50, 5417-5429.	4.0	146
5	Near-IR Emitting Iridium(III) Complexes with Heteroaromatic β -Diketonate Ancillary Ligands for Efficient Solution-Processed OLEDs: Structure-Property Correlations. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2714-2718.	13.8	126
6	A persulfurated benzene molecule exhibits outstanding phosphorescence in rigid environments: from computational study to organic nanocrystals and OLED applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2717.	5.5	118
7	Electroluminescence from Conjugated Polymer Electrospun Nanofibers in Solution Processable Organic Light-Emitting Diodes. <i>ACS Nano</i> , 2011, 5, 5572-5578.	14.6	107
8	Efficient Solution-Processed Nanoplatelet-Based Light-Emitting Diodes with High Operational Stability in Air. <i>Nano Letters</i> , 2018, 18, 3441-3448.	9.1	88
9	Cyclometallated platinum(II) complexes of 1,3-di(2-pyridyl)benzenes for solution-processable WOLEDs exploiting monomer and excimer phosphorescence. <i>Journal of Materials Chemistry</i> , 2011, 21, 8653.	6.7	78
10	High-Efficiency All-Solution-Processed Light-Emitting Diodes Based on Anisotropic Colloidal Heterostructures with Polar Polymer Injecting Layers. <i>Nano Letters</i> , 2015, 15, 5455-5464.	9.1	69
11	Highly Emissive Nanostructured Thin Films of Organic Host-Guests for Energy Conversion. <i>ChemPhysChem</i> , 2009, 10, 647-653.	2.1	68
12	Dual-Color Electroluminescence from Dot-in-Bulk Nanocrystals. <i>Nano Letters</i> , 2014, 14, 486-494.	9.1	66
13	Perfluorinated polymer with unexpectedly efficient deep blue electroluminescence for full-colour OLED displays and light therapy applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5322.	5.5	62
14	Electroluminescent poly(fluorene-co-thiophene-S,S-dioxide): synthesis, characterisation and structure-property relationships. Electronic supplementary information (ESI) available: crystal structure of model compound and comparison of its absorption and luminescence spectra. See http://www.rsc.org/suppdata/jm/b2/b208742a/ . <i>Journal of Materials Chemistry</i> , 2003, 13, 807-813.	6.7	54
15	Heteroleptic Cycloplatinated N-Heterocyclic Carbene Complexes: A New Approach to Highly Efficient Blue-Light Emitters. <i>Inorganic Chemistry</i> , 2017, 56, 4829-4839.	4.0	49
16	Highly Efficient Color-Tunable OLED Based on Poly(9,9-dioctylfluorene) Doped with a Novel Europium Complex. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2290-2295.	3.1	47
17	Bonding, Luminescence, Metallophilicity in Linear Au ₃ and Au ₂ Ag Chains Stabilized by Rigid Diphosphanyl NHC Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 8527-8542.	4.0	47
18	Nitrogen-doped carbon quantum dots obtained hydrothermally from citric acid and urea: The role of the specific nitrogen centers in their electrochemical and optical responses. <i>Electrochimica Acta</i> , 2021, 387, 138557.	5.2	44

#	ARTICLE	IF	CITATIONS
19	Nanophase Separation in Polystyrene-Polyfluorene Block Copolymers Thin Films Prepared through the Breath Figure Procedure. <i>Langmuir</i> , 2009, 25, 5333-5338.	3.5	41
20	All-Conjugated Diblock Copolymer Approach To Improve Single Layer Green Electroluminescent Devices. <i>Chemistry of Materials</i> , 2011, 23, 810-816.	6.7	41
21	Near-infrared roll-off-free electroluminescence from highly stable diketopyrrolopyrrole light emitting diodes. <i>Scientific Reports</i> , 2016, 6, 34096.	3.3	39
22	Stabilized blue emission from polyfluorene-based light-emitting diodes: The role of triphenylamine. <i>Synthetic Metals</i> , 2008, 158, 113-119.	3.9	38
23	Lanthanide-Induced Photoluminescence in Lead-Free Cs ₂ AgBiBr ₆ Bulk Perovskite: Insights from Optical and Theoretical Investigations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8893-8900.	4.6	38
24	Thermal characterization and annealing effects of polythiophene/fullerene photoactive layers for solar cells. <i>Thin Solid Films</i> , 2006, 511-512, 489-493.	1.8	36
25	Fluorescent Electrospun Nanofibers Embedding Dye-Loaded Zeolite Crystals. <i>Small</i> , 2007, 3, 305-309.	10.0	34
26	Unsoluble ordered polymeric pattern by breath figure approach. <i>Journal of Materials Chemistry</i> , 2010, 20, 1483.	6.7	32
27	From Block Copolymers to End-Capped Polymers: A Suitable Method To Control the Electro-Optical Properties of Polymeric Materials. <i>Macromolecules</i> , 2009, 42, 1107-1113.	4.8	31
28	Organic Light-Emitting Transistors with Simultaneous Enhancement of Optical Power and External Quantum Efficiency via Conjugated Polar Polymer Interlayers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25580-25588.	8.0	31
29	Synthesis and characterisation of fluorenone-thiophene-based donor-acceptor oligomers: role of moiety sequence upon packing and electronic properties. <i>New Journal of Chemistry</i> , 2010, 34, 1961.	2.8	30
30	Core-type polyfluorene-based copolymers for low-cost light-emitting technologies. <i>Organic Electronics</i> , 2010, 11, 2012-2018.	2.6	29
31	Influence of electronic and steric effects of substituted ligands coordinated to Ir(III) complexes on the solution processed OLED properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7506-7512.	5.5	29
32	Low-Cost and Green Fabrication of Polymer Electronic Devices by Push-Coating of the Polymer Active Layers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25434-25444.	8.0	29
33	Self-Assembled Structures of Semiconductor Nanocrystals and Polymers for Photovoltaics. 1. CdSe Nanocrystal-Polymer Multilayers. Optical, Electrochemical, Photoelectrochemical and Photoconductive Properties. <i>Chemistry of Materials</i> , 2009, 21, 2258-2271.	6.7	28
34	Bifunctional microstructured films and surfaces obtained by soft lithography from breath figure arrays. <i>Soft Matter</i> , 2009, 5, 1656.	2.7	28
35	Fluorenone-thiophene derivative for organic field effect transistors: A combined structural, morphological and electrical study. <i>Thin Solid Films</i> , 2005, 492, 212-220.	1.8	27
36	Post-Deposition Activation of Latent Hydrogen Bonding: A New Paradigm for Enhancing the Performances of Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2014, 24, 7410-7419.	14.9	27

#	ARTICLE	IF	CITATIONS
37	Solid state properties of oligomers containing dithienothiophene or fluorene residues suitable for field effect transistor devices. <i>Thin Solid Films</i> , 2007, 515, 7318-7323.	1.8	25
38	A new soluble poly(bithiophene)-co-3,4-di(methoxycarbonyl)methyl thiophene for LED. <i>Organic Electronics</i> , 2002, 3, 149-156.	2.6	23
39	Near-IR Emitting Iridium(III) Complexes with Heteroaromatic β -diketonate Ancillary Ligands for Efficient Solution-Processed OLEDs: Structure-Property Correlations. <i>Angewandte Chemie</i> , 2016, 128, 2764-2768.	2.0	23
40	The Role of Triphenylamine in the Stabilization of Highly Efficient Polyfluorene-Based OLEDs: A Model Oligomers Study. <i>ChemPhysChem</i> , 2009, 10, 2143-2149.	2.1	22
41	Inositol 1,4,5-trisphosphate (IP3)-dependent Ca ²⁺ signaling mediates delayed myogenesis in Duchenne muscular dystrophy fetal muscle. <i>Development (Cambridge)</i> , 2016, 143, 658-669.	2.5	22
42	Unravelling the intricate photophysical behavior of 3-(pyridin-2-yl)triimidazotriazine AIE and RTP polymorphs. <i>Chemical Science</i> , 2020, 11, 7599-7608.	7.4	22
43	Modular chiral Eu(III) complexes for efficient circularly polarized OLEDs. <i>Journal of Materials Chemistry C</i> , 2022, 10, 463-468.	5.5	21
44	Polythiophene-polyoxyethylene copolymer in polyfluorene-based polymer blends for light-emitting devices. <i>Synthetic Metals</i> , 2009, 159, 41-44.	3.9	19
45	Water-Processable Amphiphilic Low Band Gap Block Copolymer: Fullerene Blend Nanoparticles as Alternative Sustainable Approach for Organic Solar Cells. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700155.	5.3	19
46	Oxazine-1 J-aggregates in polymer nanohybrids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13646.	2.8	18
47	Optical properties and photoexcitations of an organic blue emitter embedded in a polymeric active matrix. <i>Journal of Applied Physics</i> , 2002, 91, 6511.	2.5	17
48	Polystyrene functionalized with EDOT oligomers. <i>European Polymer Journal</i> , 2008, 44, 793-800.	5.4	17
49	In situ synthesis of fluorescent poly(norbornene)/oxazine-1 dye loaded fluoromica hybrids: supramolecular control over dye arrangement. <i>Journal of Materials Chemistry</i> , 2011, 21, 12901.	6.7	17
50	Hierarchically structured, blue-emitting polymer hybrids through surface-initiated nitroxide-mediated polymerization and water templated assembly. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6585.	5.5	16
51	Poly(styrene)-graft-rhodamine 6G-fluoromica hybrids: synthesis, characterization and photophysical properties. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1450.	5.5	16
52	Red and deep-red emissive polymeric nanoparticles based on polybenzofulvene and perylene diimide derivatives. <i>Dyes and Pigments</i> , 2018, 149, 331-335.	3.7	16
53	Diffusion-mediated resonant energy transfer in lanthanide-based polymer white-light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 10152.	2.8	15
54	Branched polyphenylenes and phenylene dendrimers: NMR and optical studies. <i>European Polymer Journal</i> , 2013, 49, 4224-4237.	5.4	15

#	ARTICLE	IF	CITATIONS
55	Mechanochromic and Electroluminescence Properties of a Layered Hybrid Perovskite Belonging to the $\langle 110 \rangle$ Series. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4527-4531.	2.0	15
56	Organic FET devices: structure–property relationship in evaporated films of three fluorenone derivatives. <i>Synthetic Metals</i> , 2004, 146, 259-263.	3.9	14
57	Nanostructured Light-Emitting Polymer Thin Films and Devices Fabricated by the Environment-Friendly Push-Coating Technique. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11794-11800.	8.0	14
58	A bifunctional conjugated polyelectrolyte for the interfacial engineering of polymer solar cells. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 611-619.	9.4	14
59	Electroluminescence from two fluorinated organic emitters embedded in polyvinylcarbazole. <i>Applied Physics Letters</i> , 2005, 87, 171910.	3.3	13
60	Functionalized Oligothiophenes for Optoelectronic Applications: 3,4,3,4,4-Tetra [(methoxycarbonyl)methyl]-2,2,5,5-tetraquinquithiophene. <i>Journal of Materials</i> , 2005, 17, 242-249.	0.7	13
61	Chemical Binding of Unsaturated Fluorenes to Poly(2-chloroxylylene) Thin Films. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 2052-2057.	2.2	13
62	Combined Techniques for the Characterization of Polyfluorene Copolymers and Correlation with their Optical Properties.. <i>Macromolecules</i> , 2012, 45, 1811-1824.	4.8	13
63	Organic Light-Emitting Diodes (OLEDs): Working Principles and Device Technology. <i>Lecture Notes in Quantum Chemistry II</i> , 2016, , 145-196.	0.3	13
64	Changing the Electronic Polarizability of Monolayer MoS ₂ by Perylene-Based Seeding Promoters. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000791.	3.7	13
65	Suitability of 3,4-dialkyl substitution in molecular crystal based on thiophene–fluorenone for organic field effect transistors. <i>Synthetic Metals</i> , 2009, 159, 513-517.	3.9	12
66	In Situ Electroluminescence Color Tuning by Thermal Deprotonation Suitable for Thermal Sensors and Anti-fraud Labels. <i>ChemPhysChem</i> , 2017, 18, 2157-2161.	2.1	12
67	Electroluminescent orthofused thiophene dye embedded in polyvinylcarbazole. <i>Journal of Applied Physics</i> , 2006, 100, 083107.	2.5	11
68	Encapsulation of a Rhodamine Dye within a Bile Acid Binding Protein: Toward Water Processable Functional Bio Host–Guest Materials. <i>Biomacromolecules</i> , 2013, 14, 3549-3556.	5.4	11
69	FRET-Assisted Deep-Blue Electroluminescence in Intercalated Polymer Hybrids. <i>Chemistry of Materials</i> , 2014, 26, 4572-4578.	6.7	11
70	Investigating phase separation and structural coloration of self-assembled ternary polymer thin films. <i>Applied Physics Letters</i> , 2016, 109, 103702.	3.3	11
71	Highly efficient platinum-based emitters for warm white light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4509-4516.	5.5	11
72	Effect of the introduction of an alcohol-soluble conjugated polyelectrolyte as cathode interlayer in solution-processed organic light-emitting diodes and photovoltaic devices. <i>Chemical Papers</i> , 2018, 72, 1753-1759.	2.2	10

#	ARTICLE	IF	CITATIONS
73	Thiophene-fluorene oligomer films growth in ultra high vacuum for efficient energy transfer. <i>Thin Solid Films</i> , 2004, 466, 231-237.	1.8	9
74	Prolonged Lifetime in Nanocrystal Light-Emitting Diodes Incorporating MoS ₂ -Based Conjugated Polyelectrolyte Interfacial Layer as an Alternative to PEDOT:PSS. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1186-1192.	4.3	9
75	Close Packing in Crystals of Cyanophenylene/Thienylene Derivatives. <i>Crystal Growth and Design</i> , 2006, 6, 1497-1503.	3.0	8
76	Benzothiadiazole-based conjugated polyelectrolytes for interfacial engineering in optoelectronic devices. <i>Pure and Applied Chemistry</i> , 2019, 91, 477-488.	1.9	8
77	Multi-Colour Electroluminescence of Dendronic Antennae Containing Pyrenes as Light Harvesters. <i>ChemPhysChem</i> , 2010, 11, 683-688.	2.1	7
78	A white emitting poly(phenylenevinylene). <i>Polymer</i> , 2014, 55, 5125-5131.	3.8	7
79	Surfactant-free miniemulsion approach for low band gap rod-coil block copolymer water-processable nanoparticle fabrication: Film preparation and morphological characterization. <i>Polymer</i> , 2019, 174, 61-69.	3.8	7
80	Carbon Dots as a Sustainable New Platform for Organic Light Emitting Diode. <i>Coatings</i> , 2021, 11, 5.	2.6	6
81	Rod-Coil Block Copolymer: Fullerene Blend Water-Processable Nanoparticles: How Molecular Structure Addresses Morphology and Efficiency in NP-OPVs. <i>Nanomaterials</i> , 2022, 12, 84.	4.1	4
82	Hyperbranched Fluorescent Polyphenylenes: Synthesis and Spectral Analysis. <i>Key Engineering Materials</i> , 2013, 559, 63-68.	0.4	3
83	Acetylcholinesterase-induced fluorescence turn-off of an oligothiophene-grafted quartz surface sensitive to myristoylcholine. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4892-4903.	5.8	3
84	Conjugated dye-intercalated fluoromica hybrids displaying tunability of optical properties through packing variation. <i>Dyes and Pigments</i> , 2016, 124, 53-62.	3.7	3
85	Branched Oligophenylenes with Phenylene-Ethynylene Fragments as Anode Interfacial Layer for Solution Processed Optoelectronics. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900036.	2.2	3
86	Efficient energy transfer in organic thin films by ultra-high vacuum evaporation. <i>Organic Electronics</i> , 2004, 5, 59-65.	2.6	2
87	Poly(styrene)/oligo(fluorene)-intercalated fluoromica hybrids: synthesis, characterization and self-assembly. <i>Bellstein Journal of Nanotechnology</i> , 2014, 5, 2450-2458.	2.8	2
88	Hyperbranched 3D oligophenylenes for blue electroluminescence. <i>Mendeleev Communications</i> , 2016, 26, 347-349.	1.6	2
89	Hybrid MoS ₂ /PEDOT:PSS transporting layers for interface engineering of nanoplatelet-based light-emitting diodes. <i>Dalton Transactions</i> , 2021, 50, 9208-9214.	3.3	2
90	Doped thin films of two organic molecules for light-emitting diodes. <i>Applied Physics Letters</i> , 2003, 83, 4318-4320.	3.3	1

#	ARTICLE	IF	CITATIONS
91	X-ray diffraction studies of the structure and orientations of thiophene and fluorenone based molecule. Thin Solid Films, 2006, 514, 334-340.	1.8	1
92	Inositol 1,4,5-trisphosphate (IP3)-dependent Ca ²⁺ signaling mediates delayed myogenesis in Duchenne muscular dystrophy fetal muscle. Journal of Cell Science, 2016, 129, e1.2-e1.2.	2.0	0
93	Anionic Low Band Gap-Conjugated Polyelectrolytes as Hole-Transporting Layer in Optoelectronics Devices. Chemistry Proceedings, 2020, 3, .	0.1	0