

Helena Alves

List of Publications by Year in descending order

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45
papers

1,740
citations

331670

21
h-index

265206

42
g-index

45
all docs

45
docs citations

45
times ranked

2666
citing authors

#	ARTICLE	IF	CITATIONS
1	Harvesting circuits for triboelectric nanogenerators for wearable applications. <i>IScience</i> , 2022, 25, 103977.	4.1	15
2	Acceptor-donor-acceptor π -extended systems based on π -dithiophenetetrathiafulvalene (π -DT-TTF): Facile synthesis and photoconductivity studies. <i>Dyes and Pigments</i> , 2022, , 110475.	3.7	2
3	Through-space hopping transport in an iodine-doped perylene-based metal-organic framework. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 1065-1072.	3.4	2
4	Organic Single Crystal Patterning Method for Micrometric Photosensors. <i>Advanced Functional Materials</i> , 2021, 31, 2105638.	14.9	8
5	Graphene Based Triboelectric Nanogenerators Using Water Based Solution Process. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	10
6	Low Operating Voltage Carbon-Graphene Hybrid E-textile for Temperature Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29861-29867.	8.0	54
7	Graphene electronic fibres with touch-sensing and light-emitting functionalities for smart textiles. <i>Npj Flexible Electronics</i> , 2018, 2, .	10.7	62
8	Highly Efficient Rubrene-Graphene Charge Transfer Interfaces as Phototransistors in the Visible Regime. <i>Advanced Materials</i> , 2017, 29, 1702993.	21.0	58
9	Towards conductive textiles: coating polymeric fibres with graphene. <i>Scientific Reports</i> , 2017, 7, 4250.	3.3	45
10	Ultrasensitive organic phototransistors with multispectral response based on thin-film/single-crystal bilayer structures. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	25
11	Effect of Molecular Stacking on Exciton Diffusion in Crystalline Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2015, 137, 7104-7110.	13.7	37
12	Conducting films based on single-component molecular metals. <i>Chemical Communications</i> , 2015, 51, 13117-13119.	4.1	8
13	Transparent conductive graphene textile fibers. <i>Scientific Reports</i> , 2015, 5, 9866.	3.3	72
14	Impact of Molecular Organization on Exciton Diffusion in Photosensitive Single-Crystal Halogenated Perylene-dimides Charge Transfer Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27720-27729.	8.0	8
15	Enhanced conductivity and photoresponse at a rubrene single-crystal-PCBM film interface. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3639-3644.	5.5	15
16	π -Methylthiophene- π -dithiolenyl Transition Metal Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3989-3999.	2.0	11
17	Photoconductive response in organic charge transfer interfaces with high quantum efficiency. <i>Nature Communications</i> , 2013, 4, 1842.	12.8	72
18	Small gap semiconducting organic charge-transfer interfaces. <i>Applied Physics Letters</i> , 2010, 96, 232102.	3.3	28

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19	Quantitative analysis of density-dependent transport in tetramethyltetraselenafulvalene single-crystal transistors: Intrinsic properties and trapping. <i>Physical Review B</i> , 2009, 80, .	3.2	57
20	High Electron Mobility in Vacuum and Ambient for PDIF-CN ₂ Single-Crystal Transistors. <i>Journal of the American Chemical Society</i> , 2009, 131, 2462-2463.	13.7	257
21	Metallic conduction at organic charge-transfer interfaces. <i>Nature Materials</i> , 2008, 7, 574-580.	27.5	354
22	Photoacid cross-linkable polyfluorenes for optoelectronics applications. <i>Synthetic Metals</i> , 2008, 158, 643-653.	3.9	24
23	The family of molecular conductors [(n-Bu) ₄ N] ₂ [M(dcbdt) ₂] ₅ , M = Cu, Ni, Au; band filling and stacking modulation effects. <i>Journal of Materials Chemistry</i> , 2008, 18, 2825.	6.7	19
24	Optical properties of cross-linkable fluorene copolymers. , 2006, , .		2
25	Use of cross-linkable polyfluorene in the fabrication of multilayer polyfluorene-based light-emitting diodes with improved efficiency. <i>Applied Physics Letters</i> , 2006, 89, 143519.	3.3	23
26	Organic Spin Ladders from Tetrathiafulvalene (TTF) Derivatives. <i>Advanced Functional Materials</i> , 2005, 15, 1023-1035.	14.9	33
27	A Series of Transition Metal Bis(dicyanobenzedithiolate) Complexes [M(dcbdt) ₂] (M = Fe, Co, Ni, Pd, Tj ETQq1 1,0,784314 rgBT /O 2.0 528	1.0	14
28	Conducting oriented-[(n-C ₄ H ₉) ₄ N] ₂ [Ni(dcbdt) ₂] ₅ and new (BEDT-TTF)[Ni(dcbdt) ₂] phases as microcrystalline films, electrodeposited on silicon substrates. <i>Journal of Materials Chemistry</i> , 2004, 14, 2801.	6.7	18
29	Magnetic and electrical properties of (DT-TTF) ₄ [Au(pds) ₂] ₃ . <i>Polyhedron</i> , 2003, 22, 2447-2452.	2.2	13
30	(n-Bu) ₄ N) ₂ [Fe(dcbdt) ₂] ₂ . Synthesis, crystal structure and magnetic characterisation. <i>Polyhedron</i> , 2003, 22, 2481-2486.	2.2	26
31	Molecular compounds based on DT-TTF and Au(cdc) ₂ complex. Structural, magnetic and electrical properties. <i>Polyhedron</i> , 2003, 22, 2415-2422.	2.2	5
32	Synthesis and crystal structure of copper and gold complexes of 1,2,5-thiadiazole-3,4-dithiolate. Charge transfer salt with TTF. <i>Inorganic Chemistry Communication</i> , 2003, 6, 565-568.	3.9	10
33	Conductors based on metal-bisdicyanobenzodithiolate complexes. <i>Synthetic Metals</i> , 2003, 133-134, 397-399.	3.9	14
34	Strategies to construct spin-ladders using TTF derivatives as molecular building blocks. <i>Synthetic Metals</i> , 2003, 133-134, 523-526.	3.9	6
35	Charge transfer salts based on M(dcbdt) ₂ complexes (M=Au and Ni). <i>Synthetic Metals</i> , 2003, 135-136, 543-544.	3.9	8
36	Synthesis, X-ray structures, electrochemistry, magnetic properties, and theoretical studies of the novel monomeric [CoI ₂ (dppfO ₂)] and polymeric chain [CoI ₂ (1/4-dppfO ₂) _n]. <i>Dalton Transactions RSC</i> , 2002, , 4595-4602.	2.3	21

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37	Two New Families of Charge Transfer Solids Based on $[M(mnt)_2]n^{\pm}$ and the Donors BMDT-TTF and EDT-TTF: Conducting and Magnetic Properties. <i>Journal of Solid State Chemistry</i> , 2002, 168, 563-572.	2.9	21
38	Electronic localization in an extreme 1-D conductor: the organic salt (TTDM-TTF) $[Au(mnt)]$. <i>European Physical Journal B</i> , 2002, 29, 27-33.	1.5	15
39	Structure and physical properties of $(n-Bu_4N)_2[Au(dcbdt)_2]_5$. <i>Synthetic Metals</i> , 2001, 120, 1011-1012.	3.9	18
40	New dithiothiophene complexes for conducting and magnetic materials. <i>Synthetic Metals</i> , 2001, 120, 699-702.	3.9	8
41	Synthesis, Structure and Physical Properties of Tetrabutylammonium Salts of Nickel Complexes with the New Ligand dcbdt = 4,5-dicyanobenzene-1,2-dithiolate, $[Ni(dcbdt)_2]z^{\pm}$ ($z = 0.4, 1, 2$). <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 3119-3126.	2.0	41
42	Nickel Complexes Based on Thiophenedithiolate Ligands $\hat{\sim}$ Magnetic Properties of Metallocenium Salts. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 3127-3133.	2.0	26
43	Gold Complexes with Dithiothiophene Ligands: A Metal Based on a Neutral Molecule. <i>Chemistry - A European Journal</i> , 2001, 7, 511-519.	3.3	114
44	Crystal Structure and Magnetic Behavior of the Decamethylferrocenium and Decamethylchromocenium Salts of Bis(ethylenedithiolato)nickel, $[M(Cp^*)_2][Ni(edt)_2]^{\pm}$ $\hat{\sim}$ Magnetic Anisotropy and Metamagnetic Behavior of $[Fe(Cp^*)_2][Ni(edt)_2]$. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 2101-2110.	2.0	22
45	Conversion of antibacterial activity of graphene-coated textiles through surface polarity. <i>Nano Select</i> , 0, , .	3.7	1