

Denis Gentili

List of Publications by Year in descending order

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67
papers

2,262
citations

236925

25
h-index

223800

46
g-index

75
all docs

75
docs citations

75
times ranked

4086
citing authors

#	ARTICLE	IF	CITATIONS
1	Pentacoordinate cobalt(<i>sc</i>) single ion magnets with pendant alkyl chains: shall we go for chloride or bromide?. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1179-1194.	6.0	15
2	Atomic Vacancies in Transition Metal Dichalcogenides: Properties, Fabrication, and Limits. <i>ChemPlusChem</i> , 2022, 87, e202100562.	2.8	9
3	Multimodal sensing in rewritable, data matrix azobenzene-based devices. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10132-10138.	5.5	3
4	Evaluation of Long-Lasting Antibacterial Properties and Cytotoxic Behavior of Functionalized Silver-Nanocellulose Composite. <i>Materials</i> , 2021, 14, 4198.	2.9	11
5	Surface properties modulate protein corona formation and determine cellular uptake and cytotoxicity of silver nanoparticles. <i>Nanoscale</i> , 2021, 13, 14119-14129.	5.6	20
6	Rhodamine B hydrazide loaded polysulfone fabrics for Cu(II) detection: Morphological and optical properties. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48408.	2.6	5
7	Control of polymorphism in thiophene derivatives by sublimation-aided nanostructuring. <i>Chemical Communications</i> , 2020, 56, 1689-1692.	4.1	7
8	Combined wet lithography and fractional precipitation as a tool for fabrication of spatially controlled nanostructures of poly(3-hexylthiophene) ordered aggregates. <i>Nanoscale</i> , 2020, 12, 1432-1437.	5.6	0
9	Self-organization of complete organic monolayers via sequential post-deposition annealing. <i>Progress in Organic Coatings</i> , 2020, 138, 105408.	3.9	15
10	Organic Electrochemical Transistors for Real-Time Monitoring of In Vitro Silver Nanoparticle Toxicity. <i>Advanced Biology</i> , 2020, 4, e1900204.	3.0	22
11	Subtracting technologies. , 2020, , 65-79.		0
12	AC parallel local oxidation of silicon. <i>Nanoscale Advances</i> , 2019, 1, 3887-3891.	4.6	0
13	Organic Electrochemical Transistors: Smart Devices for Real-Time Monitoring of Cellular Vitality. <i>Advanced Materials Technologies</i> , 2019, 4, 1900207.	5.8	29
14	Thermodynamically versus Kinetically Controlled Self-Assembly of a Naphthalenediimide-Thiophene Derivative: From Crystalline, Fluorescent, n-Type Semiconducting 1D Needles to Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16864-16871.	8.0	17
15	Polymorphism as an additional functionality of materials for technological applications at surfaces and interfaces. <i>Chemical Society Reviews</i> , 2019, 48, 2502-2517.	38.1	98
16	Opposite Surface and Bulk Solvatochromic Effects in a Molecular Spin-Crossover Compound Revealed by Ambient Pressure X-ray Absorption Spectroscopy. <i>Langmuir</i> , 2018, 34, 3604-3609.	3.5	9
17	Data-Matrix Technology for Multiparameter Monitoring of Cell Cultures. <i>Small Methods</i> , 2018, 2, 1700377.	8.6	10
18	Tuning polymorphism in 2,3-thienoimide capped oligothiophene based field-effect transistors by implementing vacuum and solution deposition methods. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5601-5608.	5.5	21

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19	Controlling the Functional Properties of Oligothiophene Crystalline Nano/Microfibers via Tailoring of the Self-Assembling Molecular Precursors. <i>Advanced Functional Materials</i> , 2018, 28, 1801946.	14.9	21
20	Protein Corona Mediated Uptake and Cytotoxicity of Silver Nanoparticles in Mouse Embryonic Fibroblast. <i>Small</i> , 2018, 14, e1801219.	10.0	88
21	Integration of organic electrochemical transistors and immuno-affinity membranes for label-free detection of interleukin-6 in the physiological concentration range through antibody-antigen recognition. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5400-5406.	5.8	61
22	Spatial control of chirality in supramolecular aggregates. <i>Scientific Reports</i> , 2017, 7, 44094.	3.3	15
23	Synthesis and investigation on processing-depending polarized fluorescence emission in thin-films of 2,2'-([2,2'-bithiophene]-5,5'-diyl)bis(5-octyl-4-phenyl-4H-thieno[2,3-c]pyrrol-6(5H)-one). <i>Journal of Materials Chemistry C</i> , 2017, 5, 10320-10331.	5.5	5
24	Cooperative and Reversible Anisotropic Assembly of Gold Nanoparticles by Modulation of Noncovalent Interparticle Interactions. <i>ChemNanoMat</i> , 2017, 3, 874-878.	2.8	12
25	Surface immobilization of functional molecules by reactive self-assembling. <i>Surface and Interface Analysis</i> , 2016, 48, 626-629.	1.8	0
26	Growth and Manipulation of Organic Semiconductors Microcrystals by Wet Lithography. <i>Advanced Functional Materials</i> , 2016, 26, 2387-2393.	14.9	4
27	Anthracene-based molecular emitters for non-doped deep-blue organic light emitting transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9411-9417.	5.5	28
28	Surface induces different crystal structures in a room temperature switchable spin crossover compound. <i>Dalton Transactions</i> , 2016, 45, 134-143.	3.3	19
29	Self-protective action in multicomponent fluorescent self-assembled monolayers. <i>RSC Advances</i> , 2016, 6, 17106-17109.	3.6	5
30	Direct On-Surface Patterning of a Crystalline Lamellar Covalent Organic Framework Synthesized at Room Temperature. <i>Chemistry - A European Journal</i> , 2015, 21, 10666-10670.	3.3	131
31	Multi-modal sensing in spin crossover compounds. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7836-7844.	5.5	87
32	Graphene-lipids interaction: Towards the fabrication of a novel sensor for biomedical uses. , 2015, , .		1
33	Low voltage and time constant organic synapse-transistor. <i>Organic Electronics</i> , 2015, 21, 47-53.	2.6	40
34	Additive, modular functionalization of reactive self-assembled monolayers: toward the fabrication of multilevel optical storage media. <i>Nanoscale</i> , 2015, 7, 7184-7188.	5.6	9
35	Chemical design enables the control of conformational polymorphism in functional 2,3-thieno(bis)imide-ended materials. <i>Chemical Communications</i> , 2015, 51, 2033-2035.	4.1	25
36	Synergic effect of unsaturated inner bridges and polymorphism for tuning the optoelectronic properties of 2,3-thieno(bis)imide based materials. <i>Journal of Materials Chemistry C</i> , 2015, 3, 121-131.	5.5	16

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37	Polymorphism in Crystalline Microfibers of Achiral Octithiophene: The Effect on Charge Transport, Supramolecular Chirality and Optical Properties. <i>Advanced Functional Materials</i> , 2014, 24, 4943-4951.	14.9	21
38	Tailoring of quantum dot emission efficiency by localized surface plasmon polaritons in self-organized mesoscopic rings. <i>Nanoscale</i> , 2014, 6, 741-744.	5.6	13
39	Self-Organization of Functional Materials in Confinement. <i>Accounts of Chemical Research</i> , 2014, 47, 2692-2699.	15.6	58
40	Electrochemical Fabrication of Surface Chemical Gradients in Thiol Self-Assembled Monolayers with Tailored Work-Functions. <i>Langmuir</i> , 2014, 30, 11591-11598.	3.5	13
41	Structure-property relationships in multifunctional thieno(bis)imide-based semiconductors with different sized and shaped N-alkyl ends. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3448.	5.5	30
42	Synthesis by MW-assisted direct arylation, side-arms driven self-assembly and functional properties of 9,10-dithienylanthracene orthogonal materials. <i>Tetrahedron</i> , 2014, 70, 6222-6228.	1.9	11
43	Selective electrochemical decomposition of outgrowths and nanopatterning in La _{0.7} Sr _{0.3} MnO ₃ perovskite thin films. <i>Scientific Reports</i> , 2014, 4, 7397.	3.3	5
44	Logic-Gate Devices Based on Printed Polymer Semiconducting Nanostripes. <i>Nano Letters</i> , 2013, 13, 3643-3647.	9.1	44
45	Synthesis, size-dependent optoelectronic and charge transport properties of thieno(bis)imide end-substituted molecular semiconductors. <i>Organic Electronics</i> , 2013, 14, 3089-3097.	2.6	27
46	Core tailoring for new high performance thieno(bis)imide based n-type molecular semiconductors. <i>Chemical Communications</i> , 2013, 49, 4298-4300.	4.1	27
47	Wet-lithographic processing of coordination compounds. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2456-2467.	18.8	17
48	And Yet it Moves! Microfluidics Without Channels and Troughs. <i>Advanced Functional Materials</i> , 2013, 23, 5543-5549.	14.9	22
49	A time-temperature integrator based on fluorescent and polymorphic compounds. <i>Scientific Reports</i> , 2013, 3, 2581.	3.3	30
50	Technological Applications of Dewetting. , 2013, , .		0
51	Applications of dewetting in micro and nanotechnology. <i>Chemical Society Reviews</i> , 2012, 41, 4430.	38.1	229
52	Targeting ordered oligothiophene fibers with enhanced functional properties by interplay of self-assembly and wet lithography. <i>Journal of Materials Chemistry</i> , 2012, 22, 20852.	6.7	25
53	Immobilization of monolayer protected lipophilic gold nanorods on a glass surface. <i>Nanotechnology</i> , 2012, 23, 055605.	2.6	8
54	Patterned conductive nanostructures from reversible self-assembly of 1D coordination polymer. <i>Chemical Science</i> , 2012, 3, 2047.	7.4	28

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55	Micro- and nanopatterning by lithographically controlled wetting. <i>Nature Protocols</i> , 2012, 7, 1668-1676.	12.0	86
56	Thin Deposits and Patterning of Room-Temperature-Switchable One-Dimensional Spin-Crossover Compounds. <i>Langmuir</i> , 2011, 27, 4076-4081.	3.5	91
57	A Successful Chemical Strategy To Induce Oligothiophene Self-Assembly into Fibers with Tunable Shape and Function. <i>Journal of the American Chemical Society</i> , 2011, 133, 8654-8661.	13.7	81
58	Ambipolar Multi-Stripe Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2011, 23, 5091-5097.	21.0	62
59	Regiocontrolled Synthesis of Ring-Fused Thieno[2,3- <i>c</i>]pyrazoles through 1,3-Dipolar Cycloaddition of Nitrile Imines with Sulfur-Based Acetylenes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6440-6447.	2.4	33
60	Design and synthesis of novel 3,4-disubstituted pyrazoles for nanomedicine applications against malignant gliomas. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2024-2033.	5.5	34
61	Bovine Serum Albumin-Based Magnetic Nanocarrier for MRI Diagnosis and Hyperthermic Therapy: A Potential Theranostic Approach Against Cancer. <i>Small</i> , 2010, 6, 366-370.	10.0	88
62	1,3-Dipolar Cycloaddition of Nitrile Imines with Functionalized Acetylenes: Regiocontrolled Sc(OTf) ₃ -Catalyzed Synthesis of 4- and 5-Substituted Pyrazoles. <i>Synlett</i> , 2009, 2009, 2328-2332.	1.8	9
63	Double phase transfer of gold nanorods for surface functionalization and entrapment into PEG-based nanocarriers. <i>Chemical Communications</i> , 2009, , 5874.	4.1	61
64	Robust Ligand Shells for Biological Applications of Gold Nanoparticles. <i>Langmuir</i> , 2008, 24, 13572-13580.	3.5	108
65	Synthesis and Coating of Cobalt Ferrite Nanoparticles: A First Step toward the Obtainment of New Magnetic Nanocarriers. <i>Langmuir</i> , 2007, 23, 4026-4028.	3.5	134
66	Preparation of tools for lithographically controlled wetting and soft lithography. <i>Protocol Exchange</i> , 0, , .	0.3	3
67	Rubbing induced reversible fluorescence switching in thiophene-based organic semiconductor films by mechanical amorphisation. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	5