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	Applications of dewetting in micro and nanotechnology. Chemical Society Reviews, 2012, 41, 4430.	38.1	229
2	Synthesis and Coating of Cobalt Ferrite Nanoparticles:Â A First Step toward the Obtainment of New Magnetic Nanocarriers. Langmuir, 2007, 23, 4026-4028.	3.5	134
3	Direct Onâ€Surface Patterning of a Crystalline Laminar Covalent Organic Framework Synthesized at Room Temperature. Chemistry - A European Journal, 2015, 21, 10666-10670.	3.3	131
4	Robust Ligand Shells for Biological Applications of Gold Nanoparticles. Langmuir, 2008, 24, 13572-13580.	3.5	108
5	Polymorphism as an additional functionality of materials for technological applications at surfaces and interfaces. Chemical Society Reviews, 2019, 48, 2502-2517.	38.1	98
6	Thin Deposits and Patterning of Room-Temperature-Switchable One-Dimensional Spin-Crossover Compounds. Langmuir, 2011, 27, 4076-4081.	3.5	91
7	Bovine Serum Albuminâ€Based Magnetic Nanocarrier for MRI Diagnosis and Hyperthermic Therapy: A Potential Theranostic Approach Against Cancer. Small, 2010, 6, 366-370.	10.0	88
8	Protein Corona Mediated Uptake and Cytotoxicity of Silver Nanoparticles in Mouse Embryonic Fibroblast. Small, 2018, 14, e1801219.	10.0	88
9	Multi-modal sensing in spin crossover compounds. Journal of Materials Chemistry C, 2015, 3, 7836-7844.	5.5	87
10	Micro- and nanopatterning by lithographically controlled wetting. Nature Protocols, 2012, 7, 1668-1676.	12.0	86
11	A Successful Chemical Strategy To Induce Oligothiophene Self-Assembly into Fibers with Tunable Shape and Function. Journal of the American Chemical Society, 2011, 133, 8654-8661.	13.7	81
12	Ambipolar Multiâ€Stripe Organic Fieldâ€Effect Transistors. Advanced Materials, 2011, 23, 5091-5097.	21.0	62
13	Double phase transfer of gold nanorods for surface functionalization and entrapment into PEG-based nanocarriers. Chemical Communications, 2009, , 5874.	4.1	61
14	Integration of organic electrochemical transistors and immuno-affinity membranes for label-free detection of interleukin-6 in the physiological concentration range through antibodyâ€“antigen recognition. Journal of Materials Chemistry B, 2018, 6, 5400-5406.	5.8	61
15	Self-Organization of Functional Materials in Confinement. Accounts of Chemical Research, 2014, 47, 2692-2699.	15.6	58
16	Logic-Gate Devices Based on Printed Polymer Semiconducting Nanostripes. Nano Letters, 2013, 13, 3643-3647.	9.1	44
17	Low voltage and time constant organic synapse-transistor. Organic Electronics, 2015, 21, 47-53.	2.6	40
18	Design and synthesis of novel 3,4-disubstituted pyrazoles for nanomedicine applications against malignant gliomas. European Journal of Medicinal Chemistry, 2010, 45, 2024-2033.	5.5	34

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19	Regiocontrolled Synthesis of Ringâ€Fused Thieno[2,3â€c]pyrazoles through 1,3â€Dipolar Cycloaddition of Nitrile Imines with Sulfurâ€Based Acetylenes. European Journal of Organic Chemistry, 2010, 2010, 6440-6447.	2.4	33
20	A time-temperature integrator based on fluorescent and polymorphic compounds. Scientific Reports, 2013, 3, 2581.	3.3	30
21	Structureâ€“property relationships in multifunctional thieno(bis)imide-based semiconductors with different sized and shaped N-alkyl ends. Journal of Materials Chemistry C, 2014, 2, 3448.	5.5	30
22	Organic Electrochemical Transistors: Smart Devices for Realâ€Time Monitoring of Cellular Vitality. Advanced Materials Technologies, 2019, 4, 1900207.	5.8	29
23	Patterned conductive nanostructures from reversible self-assembly of 1D coordination polymer. Chemical Science, 2012, 3, 2047.	7.4	28
24	Anthracene-based molecular emitters for non-doped deep-blue organic light emitting transistors. Journal of Materials Chemistry C, 2016, 4, 9411-9417.	5.5	28
25	Synthesis, size-dependent optoelectronic and charge transport properties of thieno(bis)imide end-substituted molecular semiconductors. Organic Electronics, 2013, 14, 3089-3097.	2.6	27
26	Ï€-Core tailoring for new high performance thieno(bis)imide based n-type molecular semiconductors. Chemical Communications, 2013, 49, 4298-4300.	4.1	27
27	Targeting ordered oligothiophene fibers with enhanced functional properties by interplay of self-assembly and wet lithography. Journal of Materials Chemistry, 2012, 22, 20852.	6.7	25
28	Chemical design enables the control of conformational polymorphism in functional 2,3-thieno(bis)imide-ended materials. Chemical Communications, 2015, 51, 2033-2035.	4.1	25
29	And Yet it Moves! Microfluidics Without Channels and Troughs. Advanced Functional Materials, 2013, 23, 5543-5549.	14.9	22
30	Organic Electrochemical Transistors for Realâ€Time Monitoring of In Vitro Silver Nanoparticle Toxicity. Advanced Biology, 2020, 4, e1900204.	3.0	22
31	Polymorphism in Crystalline Microfibers of Achiral Octithiophene: The Effect on Charge Transport, Supramolecular Chirality and Optical Properties. Advanced Functional Materials, 2014, 24, 4943-4951.	14.9	21
32	Tuning polymorphism in 2,3-thienoimide capped oligothiophene based field-effect transistors by implementing vacuum and solution deposition methods. Journal of Materials Chemistry C, 2018, 6, 5601-5608.	5.5	21
33	Controlling the Functional Properties of Oligothiophene Crystalline Nano/Microfibers via Tailoring of the Selfâ€Assembling Molecular Precursors. Advanced Functional Materials, 2018, 28, 1801946.	14.9	21
34	Surface properties modulate protein corona formation and determine cellular uptake and cytotoxicity of silver nanoparticles. Nanoscale, 2021, 13, 14119-14129.	5.6	20
35	Surface induces different crystal structures in a room temperature switchable spin crossover compound. Dalton Transactions, 2016, 45, 134-143.	3.3	19
36	Wet-lithographic processing of coordination compounds. Coordination Chemistry Reviews, 2013, 257, 2456-2467.	18.8	17

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37	Thermodynamically versus Kinetically Controlled Self-Assembly of a Naphthalenediimideâ€“Thiophene Derivative: From Crystalline, Fluorescent, n-Type Semiconducting 1D Needles to Nanofibers. ACS Applied Materials & Interfaces, 2019, 11, 16864-16871.	8.0	17
38	Synergic effect of unsaturated inner bridges and polymorphism for tuning the optoelectronic properties of 2,3-thieno(bis)imide based materials. Journal of Materials Chemistry C, 2015, 3, 121-131.	5.5	16
39	Spatial control of chirality in supramolecular aggregates. Scientific Reports, 2017, 7, 44094.	3.3	15
40	Self-organization of complete organic monolayers via sequential post-deposition annealing. Progress in Organic Coatings, 2020, 138, 105408.	3.9	15
41	Pentacoordinate cobalt(<scp>ii</scp>) single ion magnets with pendant alkyl chains: shall we go for chloride or bromide?. Inorganic Chemistry Frontiers, 2022, 9, 1179-1194.	6.0	15
42	Tailoring of quantum dot emission efficiency by localized surface plasmon polaritons in self-organized mesoscopic rings. Nanoscale, 2014, 6, 741-744.	5.6	13
43	Electrochemical Fabrication of Surface Chemical Gradients in Thiol Self-Assembled Monolayers with Tailored Work-Functions. Langmuir, 2014, 30, 11591-11598.	3.5	13
44	Cooperative and Reversible Anisotropic Assembly of Gold Nanoparticles by Modulation of Noncovalent Interparticle Interactions. ChemNanoMat, 2017, 3, 874-878.	2.8	12
45	Synthesis by MW-assisted direct arylation, side-arms driven self-assembly and functional properties of 9,10-dithienylanthracene orthogonal materials. Tetrahedron, 2014, 70, 6222-6228.	1.9	11
46	Evaluation of Longâ€“Lasting Antibacterial Properties and Cytotoxic Behavior of Functionalized Silver-Nanocellulose Composite. Materials, 2021, 14, 4198.	2.9	11
47	Dataâ€Matrix Technology for Multiparameter Monitoring of Cell Cultures. Small Methods, 2018, 2, 1700377.	8.6	10
48	1,3-Dipolar Cycloaddition of Nitrile Imines with Functionalized Acetylenes: Regiocontrolled Sc(OTf)3-Catalyzed Synthesis of 4- and 5-Substituted Pyrazoles. Synlett, 2009, 2009, 2328-2332.	1.8	9
49	Additive, modular functionalization of reactive self-assembled monolayers: toward the fabrication of multilevel optical storage media. Nanoscale, 2015, 7, 7184-7188.	5.6	9
50	Opposite Surface and Bulk Solvatochromic Effects in a Molecular Spin-Crossover Compound Revealed by Ambient Pressure X-ray Absorption Spectroscopy. Langmuir, 2018, 34, 3604-3609.	3.5	9
51	Atomic Vacancies in Transition Metal Dichalcogenides: Properties, Fabrication, and Limits. ChemPlusChem, 2022, 87, e202100562.	2.8	9
52	Immobilization of monolayer protected lipophilic gold nanorods on a glass surface. Nanotechnology, 2012, 23, 055605.	2.6	8
53	Control of polymorphism in thiophene derivatives by sublimation-aided nanostructuring. Chemical Communications, 2020, 56, 1689-1692.	4.1	7
54	Selective electrochemical decomposition of outgrowths and nanopatterning in La0.7Sr0.3MnO3 perovskite thin films. Scientific Reports, 2014, 4, 7397.	3.3	5

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55	Self-protective action in multicomponent fluorescent self-assembled monolayers. RSC Advances, 2016, 6, 17106-17109.	3.6	5
56	Synthesis and investigation on processing-depending polarized fluorescence emission in thin-films of 2,2â€²-([2,2â€²-bithiophene]-5,5â€²-diyl)bis(5-octyl-4-phenyl-4H-thieno[2,3-c]pyrrol-6(5H)-one). Journal of Materials Chemistry C, 2017, 5, 10320-10331.	5.5	5
57	Rhodamine B hydrazide loaded polysulfone fabrics for Cu(II) detection: Morphological and optical properties. Journal of Applied Polymer Science, 2020, 137, 48408.	2.6	5
58	Rubbing induced reversible fluorescence switching in thiophene-based organic semiconductor films by mechanical amorphisation. Journal of Materials Chemistry C, 0, , .	5.5	5
59	Growth and Manipulation of Organic Semiconductors Microcrystals by Wet Lithography. Advanced Functional Materials, 2016, 26, 2387-2393.	14.9	4
60	Preparation of tools for lithographically controlled wetting and soft lithography. Protocol Exchange, 0, , .	0.3	3
61	Multimodal sensing in rewritable, data matrix azobenzene-based devices. Journal of Materials Chemistry C, 2022, 10, 10132-10138.	5.5	3
62	Graphene-lipids interaction: Towards the fabrication of a novel sensor for biomedical uses. , 2015, , .		1
63	Surface immobilization of functional molecules by reactive selfâ€assembling. Surface and Interface Analysis, 2016, 48, 626-629.	1.8	0
64	AC parallel local oxidation of silicon. Nanoscale Advances, 2019, 1, 3887-3891.	4.6	0
65	Combined wet lithography and fractional precipitation as a tool for fabrication of spatially controlled nanostructures of poly(3-hexylthiophene) ordered aggregates. Nanoscale, 2020, 12, 1432-1437.	5.6	0
66	Subtracting technologies. , 2020, , 65-79.		0
67	Technological Applications of Dewetting. , 2013, , .		0