

Massimiliano Cavallini

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157
papers

6,530
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49
h-index

76
g-index

162
ext. papers

6,910
ext. citations

8.8
avg, IF

5.6
L-index

#	Paper	IF	Citations
157	A nanoporous molecular magnet with reversible solvent-induced mechanical and magnetic properties. <i>Nature Materials</i> , 2003 , 2, 190-5	27	595
156	Spatially correlated charge transport in organic thin film transistors. <i>Physical Review Letters</i> , 2004 , 92, 116802	7.4	538
155	Supramolecular organization of alpha,alpha-disubstituted sexithiophenes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1269-75	16.4	201
154	Applications of dewetting in micro and nanotechnology. <i>Chemical Society Reviews</i> , 2012 , 41, 4430-43	58.5	192
153	Information storage using supramolecular surface patterns. <i>Science</i> , 2003 , 299, 531	33.3	176
152	About Oligothiophene Self-Assembly: From Aggregation in Solution to Solid-State Nanostructures. <i>Chemistry of Materials</i> , 2004 , 16, 4452-4466	9.6	175
151	Micro- and nanopatterning of spin-transition compounds into logical structures. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8596-600	16.4	148
150	Nanopatterning Soluble Multifunctional Materials by Unconventional Wet Lithography. <i>Advanced Materials</i> , 2009 , 21, 1043-1053	24	124
149	Magnetic information storage on polymers by using patterned single-molecule magnets. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 888-92	16.4	124
148	Status and perspectives in thin films and patterning of spin crossover compounds. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 11867-76	3.6	123
147	Field-effect transistors based on self-organized molecular nanostripes. <i>Nano Letters</i> , 2005 , 5, 2422-5	11.5	113
146	Nanostructuring Conjugated Materials by Lithographically Controlled Wetting. <i>Nano Letters</i> , 2003 , 3, 1269-1271	11.5	94
145	Direct On-Surface Patterning of a Crystalline Lamellar Covalent Organic Framework Synthesized at Room Temperature. <i>Chemistry - A European Journal</i> , 2015 , 21, 10666-70	4.8	93
144	Multiple Length Scale Patterning of Single-Molecule Magnets. <i>Nano Letters</i> , 2003 , 3, 1527-1530	11.5	90
143	Thin deposits and patterning of room-temperature-switchable one-dimensional spin-crossover compounds. <i>Langmuir</i> , 2011 , 27, 4076-81	4	89
142	Single molecule magnets: from thin films to nano-patterns. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 784-93	3.6	88
141	Supramolecular assembly of conjugated polymers: From molecular engineering to solid-state properties. <i>Materials Science and Engineering Reports</i> , 2006 , 55, 1-56	30.9	82

140	Multi-modal sensing in spin crossover compounds. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7836-7844	7.1	75
139	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, 8654-61	16.4	75
138	The effect of mechanical interlocking on crystal packing: predictions and testing. <i>Journal of the American Chemical Society</i> , 2002 , 124, 225-33	16.4	74
137	Micro- and nanopatterning by lithographically controlled wetting. <i>Nature Protocols</i> , 2012 , 7, 1668-76	18.8	73
136	Progress in Micro- and Nanopatterning via Electrochemical Lithography. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18987-18994	3.8	73
135	In Situ STM and Electrochemical Investigation of Sulfur Oxidative Underpotential Deposition on Ag(111). <i>Journal of Physical Chemistry B</i> , 1997 , 101, 4774-4780	3.4	71
134	Multiscale self-organization of the organic semiconductor alpha-quinquethiophene. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10266-74	16.4	71
133	Parallel writing by local oxidation nanolithography with submicrometer resolution. <i>Applied Physics Letters</i> , 2003 , 83, 5286-5288	3.4	67
132	Electrochemically etched nickel tips for spin polarized scanning tunneling microscopy. <i>Review of Scientific Instruments</i> , 2000 , 71, 4457	1.7	67
131	Conductive sub-micrometric wires of platinum-carbonyl clusters fabricated by soft-lithography. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1177-82	16.4	66
130	Polymorphism as an additional functionality of materials for technological applications at surfaces and interfaces. <i>Chemical Society Reviews</i> , 2019 , 48, 2502-2517	58.5	65
129	ThiopheneBenzothiadiazole Co-Oligomers: Synthesis, Optoelectronic Properties, Electrical Characterization, and Thin-Film Patterning. <i>Advanced Functional Materials</i> , 2010 , 20, 445-452	15.6	64
128	Polymetallic oxalate-based 2D magnets: soluble molecular precursors for the nanostructuring of magnetic oxides. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5456-68	16.4	59
127	Nanoimprint lithography for organic electronics. <i>Microelectronic Engineering</i> , 2002 , 61-62, 25-31	2.5	59
126	Towards all-organic field-effect transistors by additive soft lithography. <i>Small</i> , 2009 , 5, 1117-22	11	58
125	Electrochemical Atomic Layer Epitaxy Deposition of CdS on Ag(111): An Electrochemical and STM Investigation. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 7413-7420	3.4	58
124	Protein Corona Mediated Uptake and Cytotoxicity of Silver Nanoparticles in Mouse Embryonic Fibroblast. <i>Small</i> , 2018 , 14, e1801219	11	57
123	Ambipolar multi-stripe organic field-effect transistors. <i>Advanced Materials</i> , 2011 , 23, 5091-7	24	57

122	Inhomogeneous thin deposits: a strategy to exploit their functionality. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6085		56
121	An in situ STM investigation of uracil on Ag(111). <i>Journal of Electroanalytical Chemistry</i> , 1998 , 444, 75-81	4.1	56
120	Solid-state assemblies and optical properties of conjugated oligomers combining fluorene and thiophene units. <i>Journal of Materials Chemistry</i> , 2007 , 17, 728-735		54
119	Surface-controlled self-assembly of chiral sexithiophenes. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1959-1963		54
118	Characterisation of thin films of CdS deposited on Ag(111) by ECALE. A morphological and photoelectrochemical investigation. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 532, 219-225	4.1	54
117	Bottom-up nanofabrication of materials for organic electronics. <i>Synthetic Metals</i> , 2004 , 146, 283-286	3.6	54
116	Conformational Self-Recognition as the Origin of Dewetting in Bistable Molecular Surfaces. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 10826-10830	3.4	53
115	Ordered patterning of nanometric rings of single molecule magnets on polymers by lithographic control of demixing. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11607-10	3.4	52
114	Poly(Evinyl-Ealkyloligothiophene) Side-Chain Polymers. Synthesis, Fluorescence, and Morphology. <i>Macromolecules</i> , 2004 , 37, 5692-5702	5.5	52
113	Lithographic Alignment of Discotic Liquid Crystals: A New Time-Temperature Integrating Framework. <i>Advanced Materials</i> , 2009 , 21, 4688-4691	24	50
112	Multicolor, large-area fluorescence sensing through oligothiophene-self-assembled monolayers. <i>Chemical Communications</i> , 2011 , 47, 1689-91	5.8	49
111	Parallel-local anodic oxidation of silicon surfaces by soft stamps. <i>Nanotechnology</i> , 2008 , 19, 435303	3.4	49
110	Microwave assisted synthesis of manganese mixed oxide nanostructures using plastic templates. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3949-3953	3.3	49
109	Pentacene self-aggregation at the Au(110)-(1x1) surface: growth morphology and interface electronic states. <i>Thin Solid Films</i> , 2003 , 428, 227-231	2.2	49
108	Patterning a Conjugated Molecular Thin Film at Submicron Scale by Modified Microtransfer Molding. <i>Nano Letters</i> , 2001 , 1, 193-195	11.5	49
107	Self-organization of functional materials in confinement. <i>Accounts of Chemical Research</i> , 2014 , 47, 2692-24.3		48
106	Growth morphology and electronic structure of 2D ordered pentacene on the Au(110)-(1x1) surface. <i>Surface Science</i> , 2003 , 532-535, 249-254	1.8	45
105	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	7.3	42

104	Regenerable resistive switching in silicon oxide based nanojunctions. <i>Advanced Materials</i> , 2012 , 24, 1197-1201	4.2	42
103	Electrochemical STM Investigation of 1,8-Octanedithiol Self-Assembled Monolayers on Ag(111) in Aqueous Solution. <i>Langmuir</i> , 1999 , 15, 3003-3006	4	42
102	Logic-gate devices based on printed polymer semiconducting nanostripes. <i>Nano Letters</i> , 2013 , 13, 3643-3647	11.5	35
101	Extracellular production of tellurium nanoparticles by the photosynthetic bacterium <i>Rhodobacter capsulatus</i> . <i>Journal of Hazardous Materials</i> , 2016 , 309, 202-9	12.8	32
100	Multiple length-scale patterning of DNA by stamp-assisted deposition. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4779-82	16.4	31
99	3D Hierarchical Porous TiO ₂ Films from Colloidal Composite Fluidic Deposition. <i>Chemistry of Materials</i> , 2008 , 20, 7130-7135	9.6	28
98	Patterned conductive nanostructures from reversible self-assembly of 1D coordination polymer. <i>Chemical Science</i> , 2012 , 3, 2047	9.4	27
97	Synthesis, size-dependent optoelectronic and charge transport properties of thieno(bis)imide end-substituted molecular semiconductors. <i>Organic Electronics</i> , 2013 , 14, 3089-3097	3.5	25
96	Core tailoring for new high performance thieno(bis)imide based n-type molecular semiconductors. <i>Chemical Communications</i> , 2013 , 49, 4298-300	5.8	25
95	A time-temperature integrator based on fluorescent and polymorphic compounds. <i>Scientific Reports</i> , 2013 , 3, 2581	4.9	25
94	Additive nanoscale embedding of functional nanoparticles on silicon surface. <i>Nanoscale</i> , 2010 , 2, 2069-2077	7.7	25
93	Monolayer control of discotic liquid crystal by electromigration of dewetted layers in thin film devices. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11953-8	16.4	25
92	Micro- and Nanopatterning of Spin-Transition Compounds into Logical Structures. <i>Angewandte Chemie</i> , 2008 , 120, 8724-8728	3.6	25
91	FET device performance, morphology and X-ray thin film structure of unsubstituted and modified quinquethiophenes. <i>Synthetic Metals</i> , 2004 , 146, 243-250	3.6	25
90	An in Situ STM Study of Selenium Electrodeposition on Ag(111). <i>Langmuir</i> , 1999 , 15, 2993-2995	4	25
89	Surfaces, thin films and patterning of spin crossover compounds. <i>Comptes Rendus Chimie</i> , 2018 , 21, 1270-1286	12.86	24
88	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		23
87	Magnetic properties of Cobalt thin films deposited on soft organic layers. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e987-e989	2.8	23

86	Two-Dimensional Self-Organization of CdS Ultra Thin Films by Confined Electrochemical Atomic Layer Epitaxy Growth. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 1061-1064	3.8	23
85	Electrochemical preparation of cobalt tips for scanning tunneling microscopy. <i>Review of Scientific Instruments</i> , 2002 , 73, 4254-4256	1.7	23
84	Tough and adhesive nanostructured calcium phosphate thin films deposited by the pulsed plasma deposition method. <i>RSC Advances</i> , 2015 , 5, 78561-78571	3.7	22
83	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	7.1	22
82	Absorption, Photoluminescence, and Polarized Raman Spectra of a Fourfold Alkoxy-Substituted Phthalocyanine Liquid Crystal. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12150-12157	3.8	22
81	Magnetic Information Storage on Polymers by Using Patterned Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2005 , 117, 910-914	3.6	22
80	Chemical design enables the control of conformational polymorphism in functional 2,3-thieno(bis)imide-ended materials. <i>Chemical Communications</i> , 2015 , 51, 2033-5	5.8	21
79	Self-organization of nano-lines and dots triggered by a local mechanical stimulus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17650-4	11.5	21
78	Self-organization of rotaxane thin films into spatially correlated nanostructures: morphological and structural aspects. <i>Journal of the American Chemical Society</i> , 2006 , 128, 526-32	16.4	21
77	Organic Materials for Time-Temperature Integrator Devices. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16897-906	9.5	20
76	Anthracene-based molecular emitters for non-doped deep-blue organic light emitting transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9411-9417	7.1	20
75	Magnetic hydroxyapatite coatings as a new tool in medicine: A scanning probe investigation. <i>Materials Science and Engineering C</i> , 2016 , 62, 444-9	8.3	20
74	And Yet it Moves! Microfluidics Without Channels and Troughs. <i>Advanced Functional Materials</i> , 2013 , 23, 5543-5549	15.6	20
73	Toward Amorphous Conductors: Enhanced Conductivity of Doped Polyaniline via Interchain Crosslinking Promoted by Acid-Functionalized Aluminum Quinolines. <i>Advanced Materials</i> , 2006 , 18, 2739-2742	24.2	20
72	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	15.6	19
71	Spontaneous Fabrication of Microscopic Arrays of Molecular Structures with Submicron Length Scales. <i>Nano Letters</i> , 2002 , 2, 635-639	11.5	19
70	Organic Electrochemical Transistors: Smart Devices for Real-Time Monitoring of Cellular Vitality. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900207	6.8	18
69	Tunnel conductivity switching in a single nanoparticle-based nano floating gate memory. <i>Scientific Reports</i> , 2014 , 4, 4196	4.9	18

68	Surface induces different crystal structures in a room temperature switchable spin crossover compound. <i>Dalton Transactions</i> , 2016 , 45, 134-43	4.3	18
67	Wet-lithographic processing of coordination compounds. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 2456-2467	23.2	17
66	Properties of thin manganite films grown on semiconducting substrates for spintronics applications. <i>Current Applied Physics</i> , 2007 , 7, 47-50	2.6	17
65	Synthesis, multiphase characterization, and helicity control in chiral DACH-linked oligothiophenes. <i>Chemistry - A European Journal</i> , 2006 , 12, 7305-12	4.8	17
64	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	7.1	16
63	Fabrication of material patterns by grid-assisted deposition. <i>Materials Science and Engineering C</i> , 2003 , 23, 923-925	8.3	16
62	Time-temperature integrator based on the dewetting of polyisobutylene thin films. <i>Langmuir</i> , 2010 , 26, 5312-5	4	15
61	Organic-Inorganic Hybrid Spin-Valve: A Novel Approach to Spintronics. <i>Phase Transitions</i> , 2002 , 75, 1049-1058	10.58	15
60	Intedigitated p-n junction: a route to improve the efficiency in organic photovoltaic cells. <i>Synthetic Metals</i> , 2001 , 121, 1533-1534	3.6	15
59	Organic Electrochemical Transistors for Real-Time Monitoring of In Vitro Silver Nanoparticle Toxicity. <i>Advanced Biology</i> , 2020 , 4, e1900204	3.5	15
58	Field effect transistors with organic semiconductor layers assembled from aqueous colloidal nanocomposites. <i>Langmuir</i> , 2007 , 23, 2030-6	4	14
57	Spatial control of chirality in supramolecular aggregates. <i>Scientific Reports</i> , 2017 , 7, 44094	4.9	13
56	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	7.1	13
55	Tailoring of quantum dot emission efficiency by localized surface plasmon polaritons in self-organized mesoscopic rings. <i>Nanoscale</i> , 2014 , 6, 741-4	7.7	13
54	Electrochemical fabrication of surface chemical gradients in thiol self-assembled monolayers with tailored work-functions. <i>Langmuir</i> , 2014 , 30, 11591-8	4	13
53	Highly Ordered Organic Ferroelectric DIPAB-Patterned Thin Films. <i>Langmuir</i> , 2017 , 33, 12859-12864	4	12
52	Direct deposition of magnetite thin films on organic semiconductors. <i>Applied Physics Letters</i> , 2008 , 93, 113305	3.4	12
51	Spin polarized La _{0.7} Sr _{0.3} MnO ₃ thin films on silicon. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 312, 453-457	2.8	12

50	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	2.4	11
49	Electrochemical fabrication of cobalt and nickel tips for scanning tunneling microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 2564		11
48	Reprint of "Extracellular production of tellurium nanoparticles by the photosynthetic bacterium <i>Rhodobacter capsulatus</i> ". <i>Journal of Hazardous Materials</i> , 2017 , 324, 31-38	12.8	10
47	Patterned growth of CdS by combined electrochemical atomic layer epitaxy and microcontact printing techniques. <i>Electrochimica Acta</i> , 2007 , 52, 6034-6040	6.7	10
46	Room temperature deposition of magnetite thin films on organic substrate. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, 410-412	2.8	10
45	Data-Matrix Technology for Multiparameter Monitoring of Cell Cultures. <i>Small Methods</i> , 2018 , 2, 1700377	2.8	9
44	Cooperative and Reversible Anisotropic Assembly of Gold Nanoparticles by Modulation of Noncovalent Interparticle Interactions. <i>ChemNanoMat</i> , 2017 , 3, 874-878	3.5	9
43	Additive, modular functionalization of reactive self-assembled monolayers: toward the fabrication of multilevel optical storage media. <i>Nanoscale</i> , 2015 , 7, 7184-8	7.7	8
42	In situ scanning tunneling microscopy investigation of sulfur oxidative underpotential deposition on Ag(100) and Ag(110). <i>Langmuir</i> , 2010 , 26, 17679-85	4	8
41	Multiple-length-scale patterning of magnetic nanoparticles by stamp-assisted deposition. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 204144	1.8	8
40	Polymorphism in N,N'-dialkyl-naphthalene diimides. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3097-3112	7.1	7
39	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	4	7
38	Synchronized optical and electrical characterization of discotic liquid crystals thin films. <i>Review of Scientific Instruments</i> , 2010 , 81, 033907	1.7	7
37	Selective growth of hexithiophene by using silicon oxides patterns. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 5719-35	6.3	7
36	Optical and electroemission properties of thin films of supermolecular anthracene-based rotaxanes. <i>Applied Surface Science</i> , 2001 , 175-176, 369-373	6.7	7
35	Influence of the substrate hydrophilicity on the grid assisted deposition of tris-(8-hydroxyquinolato) aluminum(III) thin films. <i>Surface Science</i> , 2009 , 603, 503-506	1.8	6
34	Structural and magnetic properties of thin manganite films grown on silicon substrates. <i>Progress in Solid State Chemistry</i> , 2005 , 33, 293-298	8	6
33	Excimer-like electroluminescence from thin films of switchable supermolecular anthracene-based rotaxanes. <i>Synthetic Metals</i> , 2001 , 122, 27-29	3.6	6

32	Self-protective action in multicomponent fluorescent self-assembled monolayers. <i>RSC Advances</i> , 2016 , 6, 17106-17109	3.7	5
31	Synthesis and investigation on processing-dependending 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	7.1	5
30	Selective electrochemical decomposition of outgrowths and nanopatterning in La 0.7 Sr 0.3 MnO3 perovskite thin films. <i>Scientific Reports</i> , 2014 , 4, 7397	4.9	5
29	Ultrathin manganite films grown by pulsed-plasma deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e780-e782	2.8	5
28	Multiple Length-Scale Patterning of DNA by Stamp-Assisted Deposition. <i>Angewandte Chemie</i> , 2006 , 118, 4897-4900	3.6	5
27	Control of polymorphism in thiophene derivatives by sublimation-aided nanostructuring. <i>Chemical Communications</i> , 2020 , 56, 1689-1692	5.8	5
26	Evaluation of Long-Lasting Antibacterial Properties and Cytotoxic Behavior of Functionalized Silver-Nanocellulose Composite. <i>Materials</i> , 2021 , 14,	3.5	5
25	Rhodamine B hydrazide loaded polysulfone fabrics for Cu(II) detection: Morphological and optical properties. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48408	2.9	5
24	Immobilization of monolayer protected lipophilic gold nanorods on a glass surface. <i>Nanotechnology</i> , 2012 , 23, 055605	3.4	4
23	One-step substrate nanofabrication and patterning of nanoparticles by lithographically controlled etching. <i>Nanotechnology</i> , 2011 , 22, 355301	3.4	4
22	Liquid-Crystal Patterning: Lithographic Alignment of Discotic Liquid Crystals: A New Time-Temperature Integrating Framework (Adv. Mater. 46/2009). <i>Advanced Materials</i> , 2009 , 21, n/a-n/a	24	4
21	Doping and photo-induced current in discotic liquid crystals thin films: Long-time and temperature effects. <i>Organic Electronics</i> , 2011 , 12, 851-856	3.5	4
20	Direct patterning of tris-(8-hydroxyquinoline)-aluminum (III) thin film at submicron scale by modified micro-transfer molding. <i>Materials Science and Engineering C</i> , 2002 , 19, 275-278	8.3	4
19	Photophysical properties of thin films and solid phase of switchable supermolecular anthracene-based rotaxanes. <i>Synthetic Metals</i> , 2001 , 122, 63-65	3.6	4
18	Pentacoordinate cobalt(ii) single ion magnets with pendant alkyl chains: shall we go for chloride or bromide?. <i>Inorganic Chemistry Frontiers</i> ,	6.8	4
17	Growth and Manipulation of Organic Semiconductors Microcrystals by Wet Lithography. <i>Advanced Functional Materials</i> , 2016 , 26, 2387-2393	15.6	4
16	Selective Electrodesorption-Based Atomic Layer Deposition (SEBALD) of Bismuth under Morphological Control. <i>Electrochemical Society Interface</i> , 2018 , 27, 77-81	3.6	4
15	Fabrication of ordered carbon nanotube structures by unconventional lithography. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 877-883	1.3	3

14	Surface properties modulate protein corona formation and determine cellular uptake and cytotoxicity of silver nanoparticles. <i>Nanoscale</i> , 2021 , 13, 14119-14129	7.7	3
13	Combined electrochemical atomic layer epitaxy and microcontact printing techniques. <i>Materials Science in Semiconductor Processing</i> , 2009 , 12, 21-24	4.3	2
12	Regiospecificity-driven self-assembly of methyl substituted quaterthiophenes at surface. <i>Thin Solid Films</i> , 2010 , 518, 4131-4135	2.2	2
11	A Molecular Drone for Atomic-Scale Fabrication Working under Ambient Conditions. <i>Advanced Materials</i> , 2021 , 33, e2007150	24	2
10	Rubbing induced reversible fluorescence switching in thiophene-based organic semiconductor films by mechanical amorphisation. <i>Journal of Materials Chemistry C</i> ,	7.1	2
9	Underpotential-Assisted Electrodeposition of Highly Crystalline and Smooth Thin Film of Bismuth. <i>ChemElectroChem</i> , 2020 , 7, 299-305	4.3	1
8	Green Biocompatible Method for the Synthesis of Collagen/Chitin Composites to Study Their Composition and Assembly Influence on Fibroblasts Growth. <i>Biomacromolecules</i> , 2021 , 22, 3357-3365	6.9	1
7	Atomic Vacancies in Transition Metal Dichalcogenides: Properties, Fabrication, and Limits.. <i>ChemPlusChem</i> , 2022 , 87, e202100562	2.8	0
6	AC parallel local oxidation of silicon. <i>Nanoscale Advances</i> , 2019 , 1, 3887-3891	5.1	
5	Subtracting technologies: Unconventional Nanolithography 2020 , 65-79		
4	Low-Dimensionality Effects in Organic Field Effect Transistors 2013 , 397-419		
3	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 ⁷		
2	Atomic-Scale Fabrication: A Molecular Drone for Atomic-Scale Fabrication Working under Ambient Conditions (Adv. Mater. 21/2021). <i>Advanced Materials</i> , 2021 , 33, 2170166	24	
1	Surface immobilization of functional molecules by reactive self-assembling. <i>Surface and Interface Analysis</i> , 2016 , 48, 626-629	1.5	