Giovanni Li Destri

List of Publications by Year
in descending order

50 papers	982 citations	361045 20 h-index	476904 29 g-index
50 all docs	50 docs citations	50 times ranked	1465 citing authors

#	Article	IF	Citations
1	Real Space Imaging of Nanoparticle Assembly at Liquidâ€“Liquid Interfaces with Nanoscale Resolution. Nano Letters, 2016, 16, 5463-5468.	4.5	55
2	Mixed zirconia calcium phosphate coatings for dental implants: Tailoring coating stability and bioactivity potential. Materials Science and Engineering C, 2015, 48, 337-346.	3.8	54
3	Part I: A comparative study of bismuth-modified screen-printed electrodes for lead detection. Analytica Chimica Acta, 2011, 707, 171-177.	2.6	46
4	Structure of a liquid/liquid interface during solvent extraction combining X-ray and neutron reflectivity measurements. Physical Chemistry Chemical Physics, 2015, 17, 15093-15097.	1.3	45
5	Functionalized Carbon Nanoparticle-Based Sensors for Chemical Warfare Agents. ACS Applied Nano Materials, 2020, 3, 8182-8191.	2.4	40
6	Tensile properties, thermal and morphological analysis of thermoplastic polyurethane films reinforced with multiwalled carbon nanotubes. European Polymer Journal, 2013, 49, 3155-3164.	2.6	38
7	The Link Between Self-Assembly and Molecular Conformation of Amphiphilic Block Copolymers Monolayers at the Air/Water Interface: The Spreading Parameter. Langmuir, 2015, 31, 8856-8864.	1.6	37
8	Tuning the Composition of Alloy Nanoparticles Through Laser Mixing: The Role of Surface Plasmon Resonance. Journal of Physical Chemistry C, 2016, 120, 12810-12818.	1.5	37
9	Nanoscale Structure of Si/SiO₂/Organics Interfaces. ACS Nano, 2014, 8, 12676-12681.	7.3	36
10	Enhanced crystallinity and film retention of P3HT thin-films for efficient organic solar cells by use of preformed nanofibers in solution. Journal of Materials Chemistry C, 2013, 1, 7748.	2.7	34
11	How molecular interactions affect crystal morphology: The case of haloperidol. Journal of Pharmaceutical Sciences, 2011, 100, 4896-4906.	1.6	29
12	Supramolecular Polymer Networks Based on Calix[5]arene Tethered Poly(<i>p</i>-phenyleneethynylene). Macromolecules, 2012, 45, 7549-7556.	2.2	29
13	Real-time evaluation of thin film drying kinetics using an advanced, multi-probe optical setup. Journal of Materials Chemistry C, 2016, 4, 2178-2186.	2.7	29
14	Characterization of Wet Powder-Sprayed Zirconia/Calcium Phosphate Coating for Dental Implants. Clinical Implant Dentistry and Related Research, 2015, 17, 186-198.	1.6	28
15	Carbon Quantum Dots as Fluorescence Nanochemosensors for Selective Detection of Amino Acids. ACS Applied Nano Materials, 2021, 4, 6250-6256.	2.4	28
16	Crystal Morphologies and Polymorphs in Tolbutamide Microcrystalline Powder. Journal of Pharmaceutical Sciences, 2013, 102, 73-83.	1.6	27
17	Crystalline Monolayer Ordering at Substrate/Polymer Interfaces in Poly(3â€hexylthiophene) Ultrathin Films. Macromolecular Chemistry and Physics, 2011, 212, 905-914.	1.1	25
18	Fluorescent Quantum Dots Make Feasible Long-Range Transmission of Molecular Bits. Journal of Physical Chemistry Letters, 2017, 8, 3861-3866.	2.1	24

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19	Interfacial Free Energy Driven Nanophase Separation in Poly(3-hexylthiophene)/[6,6]-Phenyl-C61-butyric Acid Methyl Ester Thin Films. Langmuir, 2012, 28, 5257-5266.	1.6	22
20	Controlling additive behavior to reveal an alternative morphology formation mechanism in polymerâ€‰:â€‰fullerene bulk-heterojunctions. Journal of Materials Chemistry A, 2016, 4, 16136-16147.	5.2	22
21	Could N-(diethylcarbamothioyl)benzamide be a good ionophore for sensor membranes?. Journal of Molecular Structure, 2010, 981, 86-92.	1.8	21
22	Enzyme-assisted calcium phosphate biomineralization on an inert alumina surface. Acta Biomaterialia, 2015, 13, 335-343.	4.1	20
23	Realâ€Time Investigation of Intercalation and Structure Evolution in Printed Polymer:Fullerene Bulk Heterojunction Thin Films. Advanced Energy Materials, 2016, 6, 1502025.	10.2	20
24	Structureâ€“Rheology Relationship in Weakly Amphiphilic Block Copolymer Langmuir Monolayers. Langmuir, 2014, 30, 3345-3353.	1.6	18
25	Liquidâ€“Liquid Interfacial Imaging Using Atomic Force Microscopy. Advanced Materials Interfaces, 2017, 4, 1700203.	1.9	17
26	Reactive messengers for digital molecular communication with variable transmitterâ€“receiver distance. Physical Chemistry Chemical Physics, 2018, 20, 30312-30320.	1.3	17
27	Supramolecular Sensing of a Chemical Warfare Agents Simulant by Functionalized Carbon Nanoparticles. Molecules, 2020, 25, 5731.	1.7	17
28	Extended-Chain Induced Bulk Morphologies Occur at Surfaces of Thin Co-Oligomer Films. Macromolecules, 2012, 45, 4740-4748.	2.2	15
29	Self-assembled carbon nanoparticles as messengers for artificial chemical communication. Nanoscale, 2019, 11, 14203-14209.	2.8	15
30	Fluorescent nanoparticle-based Internet of things. Nanoscale, 2020, 12, 9817-9823.	2.8	14
31	Carbon Quantum Dots from Lemon Waste Enable Communication among Biodevices. Chemosensors, 2021, 9, 202.	1.8	14
32	Controlling length-scales of the phase separation to optimize organic semiconductor blends. Applied Physics Letters, 2015, 107, .	1.5	11
33	Graphene Quantum Dots enable digital communication through biological fluids. Carbon, 2021, 182, 847-855.	5.4	11
34	Polymeric membranes conditioning for sensors applications: mechanism and influence on analytes detection. Journal of Solid State Electrochemistry, 2012, 16, 901-909.	1.2	10
35	Reactive nanomessengers for artificial chemical communication. Physical Chemistry Chemical Physics, 2019, 21, 16223-16229.	1.3	10
36	<i>In situ</i> structure and force characterization of 2D nano-colloids at the air/water interface. Soft Matter, 2019, 15, 8475-8482.	1.2	10

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37	Polymer/metal hybrid multilayers modified Schottky devices. Applied Physics Letters, 2013, 103, 193117.	1.5	8
38	Filling nanoporous polymer thin films: an easy route toward the full control of the 3D nanostructure. RSC Advances, 2016, 6, 9175-9179.	1.7	8
39	Nanoparticles as suitable messengers for molecular communication. Nanoscale, 2020, 12, 22386-22397.	2.8	8
40	Fluorescent nanoparticles for reliable communication among implantable medical devices. Carbon, 2022, 190, 262-275.	5.4	7
41	Driving Coordination Polymer Monolayer Formation by Competitive Reactions at the Air/Water Interface. Langmuir, 2018, 34, 11706-11713.	1.6	6
42	Single fibres of pyro-electrospinned PVDF-HFP/MWCNT unveal high electrical conductivity. Polymer, 2018, 159, 157-161.	1.8	5
43	Tuning the randomization of lamellar orientation in poly(3-hexylthiophene) thin films with substrate nano-curvature. Polymer, 2021, 230, 124071.	1.8	4
44	Polymer Crystallization on Nanocurved Substrates: Distortion Versus Dewetting. Journal of Physical Chemistry C, 2019, 123, 8967-8974.	1.5	3
45	Chelating Surfaces for Oriented Human Serum Albumin Molecules. Langmuir, 2019, 35, 3354-3362.	1.6	3
46	Electroactive functional hybrid layered nanocomposites. , 2012, , .		2
47	Energy-sustained reversible nanoscale order and conductivity increase in polymer thin films. Polymer, 2018, 153, 344-353.	1.8	1
48	Effect of Unmanned Aerial Vehicles on the Spatial Distribution of Analytes from Point Source. Chemosensors, 2020, 8, 77.	1.8	1
49	Mechanical characterization and properties of continuous wave laser irradiated Ge2Sb2Te5 stripes. Materials and Design, 2021, 202, 109545.	3.3	1
50	Lamellar carbon-aluminosilicate nanocomposites with macroscopic orientation. Nanoscale, 2021, 13, 13650-13657.	2.8	0