

Andre J Gesquiere

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,183
citations

186209

28
h-index

149623

56
g-index

62
all docs

62
docs citations

62
times ranked

4216
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrastable, Highly Luminescent Organic-Inorganic Perovskite-Polymer Composite Films. <i>Advanced Materials</i> , 2016, 28, 10710-10717.	11.1	400
2	Single-Molecule Spectroscopy of Conjugated Polymers. <i>Accounts of Chemical Research</i> , 2005, 38, 602-610.	7.6	328
3	Scanning Tunneling Microscopy: A Unique Tool in the Study of Chirality, Dynamics, and Reactivity in Physisorbed Organic Monolayers. <i>Accounts of Chemical Research</i> , 2000, 33, 520-531.	7.6	266
4	Ultrasensitive and ultrathin phototransistors and photonic synapses using perovskite quantum dots grown from graphene lattice. <i>Science Advances</i> , 2020, 6, eaay5225.	4.7	178
5	Light- and STM-Tip-Induced Formation of One-Dimensional and Two-Dimensional Organic Nanostructures. <i>Langmuir</i> , 2003, 19, 6474-6482.	1.6	172
6	Submolecularly Resolved Polymerization of Diacetylene Molecules on the Graphite Surface Observed with Scanning Tunneling Microscopy. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2601-2603.	4.4	142
7	Charge Injection and Photooxidation of Single Conjugated Polymer Molecules. <i>Journal of the American Chemical Society</i> , 2004, 126, 4116-4117.	6.6	104
8	Homo- and Heterochiral Supramolecular Tapes from Achiral, Enantiopure, and Racemic Promesogenic Formamides: Expression of Molecular Chirality in Two and Three Dimensions. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3217-3220.	7.2	91
9	Single Molecule Spectroscopy of Organic Dye Nanoparticles. <i>Nano Letters</i> , 2005, 5, 1321-1325.	4.5	88
10	Toward Two-Dimensional Supramolecular Control of Hydrogen-Bonded Arrays: The Case of Isophthalic Acids. <i>Nano Letters</i> , 2003, 3, 1485-1488.	4.5	85
11	Singlet-Triplet and Triplet-Triplet Interactions in Conjugated Polymer Single Molecules. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10025-10034.	1.2	79
12	Effect of electric field on the photoluminescence intensity of single CdSe nanocrystals. <i>Chemical Physics</i> , 2007, 341, 169-174.	0.9	79
13	Hole-Induced Quenching of Triplet and Singlet Excitons in Conjugated Polymers. <i>Journal of the American Chemical Society</i> , 2005, 127, 9556-9560.	6.6	75
14	In situ synthesis and macroscale alignment of CsPbBr ₃ perovskite nanorods in a polymer matrix. <i>Nanoscale</i> , 2018, 10, 15436-15441.	2.8	69
15	Supramolecular Control of Two-Dimensional Phase Behavior. <i>Chemistry - A European Journal</i> , 2003, 9, 1198-1206.	1.7	68
16	Dynamics in Physisorbed Monolayers of 5-Alkoxy-isophthalic Acid Derivatives at the Liquid/Solid Interface Investigated by Scanning Tunneling Microscopy. <i>Chemistry - A European Journal</i> , 2000, 6, 3739-3746.	1.7	59
17	Aggregation Properties of Soluble Quinacridones in Two and Three Dimensions. <i>Chemistry of Materials</i> , 2002, 14, 989-997.	3.2	55
18	An activatable multimodal/multifunctional nanoprobe for direct imaging of intracellular drug delivery. <i>Biomaterials</i> , 2012, 33, 1500-1508.	5.7	55

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19	Photodimerization of Cinnamate Derivatives Studied by STM. <i>Nano Letters</i> , 2001, 1, 353-359.	4.5	50
20	Fâˆ“V/SMS:Â A New Technique for Studying the Structure and Dynamics of Single Molecules and Nanoparticlesâ€. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10301-10308.	1.2	50
21	Caveolae-Mediated Endocytosis of Conjugated Polymer Nanoparticles. <i>Macromolecular Bioscience</i> , 2013, 13, 913-920.	2.1	49
22	Correlation between spectroscopic and morphological properties of composite P3HT/PCBM nanoparticles studied by single particle spectroscopy. <i>Journal of Luminescence</i> , 2010, 130, 771-780.	1.5	42
23	A Nanoscale View of Supramolecular Stereochemistry in Self-Assembled Monolayers of Enantiomers and Racemates. <i>Langmuir</i> , 2004, 20, 9628-9635.	1.6	41
24	Near-infrared photoresponse sensitization of solvent additive processed poly(3-hexylthiophene)/fullerene solar cells by a low band gap polymer. <i>Applied Physics Letters</i> , 2012, 101, 053308.	1.5	41
25	Single Molecule Modulation Spectroscopy of Conjugated Polymers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12366-12371.	1.2	39
26	Ultrastable and Biofunctionalizable Conjugated Polymer Nanoparticles with Encapsulated Iron for Ferroptosis Assisted Chemodynamic Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 4852-4866.	2.3	33
27	Losing the Expression of Molecular Chirality in Self-Assembled Physisorbed Monolayers. <i>Nano Letters</i> , 2005, 5, 1395-1398.	4.5	32
28	PCBM concentration dependent morphology of P3HT in composite P3HT/PCBM nanoparticles. <i>Chemical Physics Letters</i> , 2009, 476, 51-55.	1.2	30
29	Single particle spectroscopy on composite MEH-PPV/PCBM nanoparticles. <i>Journal of Luminescence</i> , 2009, 129, 423-429.	1.5	27
30	Conducting polymer nanoparticles for targeted cancer therapy. <i>RSC Advances</i> , 2015, 5, 37943-37956.	1.7	24
31	Chiral Polymorphism:Â A Scanning Tunneling Microscopy Study. <i>Langmuir</i> , 2000, 16, 9887-9894.	1.6	23
32	Influence of Backbone Rigidity on Single Chain Conformation of Thiophene-Based Conjugated Polymers. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4461-4467.	1.2	23
33	Unusual Two-Dimensional Multicomponent Self-Assembly Probed by Scanning Tunneling Microscopy. <i>ChemPhysChem</i> , 2002, 3, 966-969.	1.0	21
34	Charge Trapping and Storage by Composite P3HT/PC ₆₀ BM Nanoparticles Investigated by Fluorescence-Voltage/Single Particle Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 20850-20856.	6.6	21
35	Molecular Packing in Organic Solar Cell Materials: Insights from the Emission Line Shapes of P3HT/PCBM Polymer Blend Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19975-19984.	1.5	21
36	Ligand assisted swellingâ€“deswelling microencapsulation (LASDM) for stable, color tunable perovskiteâ€“polymer composites. <i>Nanoscale Advances</i> , 2020, 2, 2034-2043.	2.2	21

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37	Non-Cytotoxic Quantum Dot-Chitosan Nanogel Biosensing Probe for Potential Cancer Targeting Agent. <i>Nanomaterials</i> , 2015, 5, 2359-2379.	1.9	19
38	Fluorescent composite tubes with pH-controlled shapes. <i>Journal of Materials Chemistry</i> , 2010, 20, 3716.	6.7	16
39	Photochemistry and kinetics of single organic nanoparticles in the presence of charge carriers. <i>European Polymer Journal</i> , 2004, 40, 1013-1018.	2.6	15
40	Effect of PCBM Concentration on Photoluminescence Properties of Composite MEH-PPV/PCBM Nanoparticles Investigated by a Franck-Condon Analysis of Single-Particle Emission Spectra. <i>ChemPhysChem</i> , 2009, 10, 2449-2457.	1.0	11
41	Interplay between fluorescence and morphology in composite MEH-PPV/PCBM nanoparticles studied at the single particle level. <i>Chemical Physics</i> , 2009, 365, 138-143.	0.9	11
42	Development and characterization of conducting polymer nanoparticles for photodynamic therapy in vitro. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015, 12, 476-489.	1.3	11
43	Perovskite Quantum Dot-Reduced Graphene Oxide Superstructure for Efficient Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45165-45173.	4.0	11
44	Linker-Induced Anomalous Emission of Organic-Molecule Conjugated Metal-Oxide Nanoparticles. <i>ACS Nano</i> , 2012, 6, 4854-4863.	7.3	10
45	Hydrothermally treated chitosan spontaneously forms water-soluble spherical particles stable at a wide pH range. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 751-758.	1.8	10
46	Synthesis of air-stable two-dimensional nanoplatelets of Ruddlesden-Popper organic-inorganic hybrid perovskites. <i>Nanoscale</i> , 2020, 12, 10072-10081.	2.8	10
47	An in vitro assay and artificial intelligence approach to determine rate constants of nanomaterial-cell interactions. <i>Scientific Reports</i> , 2019, 9, 13943.	1.6	9
48	Animal simulations facilitate smart drug design through prediction of nanomaterial transport to individual tissue cells. <i>Science Advances</i> , 2020, 6, eaax2642.	4.7	9
49	Single-Molecule Spectroscopy and AFM Morphology Studies of a Diblock Copolymer Consisting of Poly(3-hexylthiophene) and Fullerene. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2416-2424.	1.1	7
50	Probing Ternary Solvent Effect in High V_{oc} Polymer Solar Cells Using Advanced AFM Techniques. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4730-4738.	4.0	7
51	Multifunctional system for combined chemodynamic-photodynamic therapy employing the endothelin axis based on conjugated polymer nanoparticles. <i>Polymer Chemistry</i> , 0, , .	1.9	7
52	Engineered zinc oxide-based nanotherapeutics boost systemic antibacterial efficacy against phloem-restricted diseases. <i>Environmental Science: Nano</i> , 2022, 9, 2869-2886.	2.2	7
53	Composite Conjugated Polymer/Fullerene Nanoparticles as Sensitizers in Photodynamic Therapy for Cancer. <i>BioNanoScience</i> , 2014, 4, 15-26.	1.5	6
54	A deep-dyeing strategy for ultra-stable, brightly luminescent perovskite-polymer composites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3396-3402.	2.7	6

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55	Boojum and Stripe Textures in Long-Range Orientationally Ordered Monolayers on Solid Substrates. Langmuir, 2011, 27, 1051-1055.	1.6	5
56	Photodynamic Therapy with Conjugated Polymer Nanoparticles: Recent Advances and Therapeutic Considerations. Journal of Cancer Treatment & Diagnosis, 2018, 2, 1-6.	0.9	3
57	Photodynamic Therapy with Blended Conducting Polymer/Fullerene Nanoparticle Photosensitizers. Journal of Visualized Experiments, 2015, , e53038.	0.2	2
58	18â€³: Polarized Emission from Stretchâ€³Aligned Perovskite Nanorodsâ€³Polymer Composites with High Stability. Digest of Technical Papers SID International Symposium, 2018, 49, 218-221.	0.1	2
59	Tracking of fluorescent antibiotic conjugate in planta utilizing fluorescence lifetime imaging. Planta, 2021, 253, 62.	1.6	1
60	The Effect of Fullerene on the Morphology of Conjugated Polymer Single Molecules and Nanoparticles. Reviews in Nanoscience and Nanotechnology, 2012, 1, 103-118.	0.4	0