

Santiago Scr Casado

List of Publications by Year in descending order

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42
papers

1,073
citations

361296
20
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414303
32
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all docs

42
docs citations

42
times ranked

1909
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering conductive protein films through nanoscale self-assembly and gold nanoparticles doping. <i>Nanoscale</i> , 2021, 13, 6772-6779.	2.8	10
2	Engineered protein-based functional nanopatterned materials for bio-optical devices. <i>Nanoscale Advances</i> , 2019, 1, 3980-3991.	2.2	17
3	Flexible distributed feedback lasers based on nanoimprinted cellulose diacetate with efficient multiple wavelength lasing. <i>Npj Flexible Electronics</i> , 2019, 3, .	5.1	22
4	Concurrent Optical Gain Optimization and Electrical Tuning in Novel Oligomer:Polymer Blends with Yellow-Green Laser Emission. <i>Advanced Science</i> , 2019, 6, 1801455.	5.6	12
5	Reversible dispersion and release of carbon nanotubes via cooperative clamping interactions with hydrogen-bonded nanorings. <i>Chemical Science</i> , 2018, 9, 4176-4184.	3.7	25
6	Efficient Optical Gain from Near-Infrared Polymer Lasers Based on Poly[9,9'-heptadecanyl-2,7-carbazole-alt-5,5'-di(4,7-dithienyl-2,1,6-benzothiadiazole)] Optical Materials, 2018, 6, 1800263.	5.5	16
7	Interfacing porphyrins and carbon nanotubes through mechanical links. <i>Chemical Science</i> , 2018, 9, 6779-6784.	3.7	29
8	Positive and negative regulation of carbon nanotube catalysts through encapsulation within macrocycles. <i>Nature Communications</i> , 2018, 9, 2671.	5.8	38
9	Hybrid Nanoscopy of Hybrid Nanomaterials. <i>Small</i> , 2017, 13, 1603784.	5.2	17
10	Molecular-scale shear response of the organic semiconductor DBDCS (100) surface. <i>Physical Review B</i> , 2017, 96, .	1.1	3
11	Correlative Super-Resolution Fluorescence Imaging and Atomic Force Microscopy for the Characterization of Biological Samples. <i>Methods in Molecular Biology</i> , 2017, 1663, 105-113.	0.4	16
12	Dynamics of plasma membrane surface related to the release of extracellular vesicles by mesenchymal stem cells in culture. <i>Scientific Reports</i> , 2017, 7, 6767.	1.6	38
13	Nanomechanical properties of composite protein networks of erythroid membranes at lipid surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 174-183.	2.5	6
14	Bimodal supramolecular functionalization of carbon nanotubes triggered by covalent bond formation. <i>Chemical Science</i> , 2017, 8, 1927-1935.	3.7	29
15	Preparation of Luminescent Metal-Organic Framework Films by Soft-Imprinting for 2,4-Dinitrotoluene Sensing. <i>Materials</i> , 2017, 10, 992.	1.3	25
16	Studying friction while playing the violin: exploring the stick-slip phenomenon. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 159-166.	1.5	6
17	Location and Effects of an Antitumoral Catechin on the Structural Properties of Phosphatidylethanolamine Membranes. <i>Molecules</i> , 2016, 21, 829.	1.7	6
18	Polymorphism and Amplified Spontaneous Emission in a Dicyano-Distyrylbenzene Derivative with Multiple Trifluoromethyl Substituents: Intermolecular Interactions in Play. <i>Advanced Functional Materials</i> , 2016, 26, 2349-2356.	7.8	46

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19	Flexible all-polymer waveguide for low threshold amplified spontaneous emission. <i>Scientific Reports</i> , 2016, 6, 34565.	1.6	26
20	Apo ferritin fibers: a new template for 1D fluorescent hybrid nanostructures. <i>Nanoscale</i> , 2016, 8, 9648-9656.	2.8	18
21	Luminescent transition metal dichalcogenide nanosheets through one-step liquid phase exfoliation. <i>2D Materials</i> , 2016, 3, 035014.	2.0	42
22	Growth and characterization of 7,7,8,8-tetracyano-quinodimethane crystals on chemical vapor deposition graphene. <i>Journal of Crystal Growth</i> , 2016, 453, 1-6.	0.7	7
23	Assembly of designed protein scaffolds into monolayers for nanoparticle patterning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 93-101.	2.5	14
24	Supramolecular One-Dimensional n/p-Nanofibers. <i>Scientific Reports</i> , 2015, 5, 14154.	1.6	12
25	A protein with simultaneous capsid scaffolding and dsRNA-binding activities enhances the birnavirus capsid mechanical stability. <i>Scientific Reports</i> , 2015, 5, 13486.	1.6	25
26	Ground State Host-Guest Interactions upon Effective Dispersion of Regioregular Poly(3-hexylthiophene) in Poly(9,9-dioctylfluorene-benzothiadiazole). <i>Macromolecules</i> , 2015, 48, 8765-8772.	2.2	13
27	Highly Ordered n-p-Co-assembled Materials with Remarkable Charge Mobilities. <i>Journal of the American Chemical Society</i> , 2015, 137, 893-897.	6.6	71
28	Correlative Atomic Force Microscopy and Localization-Based Super-Resolution Microscopy: Revealing Labelling and Image Reconstruction Artefacts. <i>ChemPhysChem</i> , 2014, 15, 647-650.	1.0	48
29	H-Shaped Oligofluorenes for Highly Air-Stable and Low-Threshold Non-Doped Deep Blue Lasing. <i>Advanced Materials</i> , 2014, 26, 2937-2942.	11.1	57
30	Channeling motion of gold nanospheres on a rippled glassed surface. <i>Nanotechnology</i> , 2014, 25, 485302.	1.3	11
31	Orthogonal Resonator Modes and Low Lasing Threshold in Highly Emissive Distyrylbenzene-Based Molecular Crystals. <i>Advanced Optical Materials</i> , 2014, 2, 542-548.	3.6	32
32	Mechanically Interlocked Single-Wall Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5394-5400.	7.2	69
33	Selective carbohydrate-lectin interactions in covalent graphene- and SWCNT-based molecular recognition systems. <i>Chemical Science</i> , 2013, 4, 4035.	3.7	33
34	Physicochemical Characterization of <i>Acidiphilium</i> sp. Biofilms. <i>ChemPhysChem</i> , 2013, 14, 1237-1244.	1.0	5
35	Stimulated Emission Properties of Sterically Modified Distyrylbenzene-Based H-Aggregate Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1597-1602.	2.1	71
36	Spinning and translational motion of Sb nanoislands manipulated on MoS ₂ . <i>Nanotechnology</i> , 2013, 24, 325302.	1.3	16

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37	Stimulated Resonance Raman Scattering and Laser Oscillation in Highly Emissive Distyrylbenzene-Based Molecular Crystals. <i>Advanced Materials</i> , 2012, 24, 6473-6478.	11.1	62
38	Electropolymerized network of polyamidoamine dendron-coated gold nanoparticles as novel nanostructured electrode surface for biosensor construction. <i>Analyst</i> , 2012, 137, 342-348.	1.7	31
39	CdSe/CdS nanoparticles immobilized on pNIPAm-based microspheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 1367-1374.	6.7	35
40	A modified commercial scanner as an image plate for table-top optical applications. <i>Review of Scientific Instruments</i> , 2009, 80, 013104.	0.6	1
41	Direct measurement of the liquid 4:1 methanol-ethanol equation of state up to 5 GPa. <i>High Pressure Research</i> , 2008, 28, 637-640.	0.4	3
42	n-pentanol at high pressures: Rotational isomerism in the liquid phase and the liquid-solid phase transition. <i>Journal of Chemical Physics</i> , 2006, 124, 044508.	1.2	8