

# Santiago Scr Casado

## List of Publications by Year in descending order

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42  
papers

1,073  
citations

361413  
20  
h-index

414414  
32  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulated Emission Properties of Sterically Modified Distyrylbenzene-Based H-Aggregate Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1597-1602.	4.6	71
2	Highly Ordered <i>n</i> / <i>p</i> -Co-assembled Materials with Remarkable Charge Mobilities. <i>Journal of the American Chemical Society</i> , 2015, 137, 893-897.	13.7	71
3	Mechanically Interlocked Single-Wall Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5394-5400.	13.8	69
4	Stimulated Resonance Raman Scattering and Laser Oscillation in Highly Emissive Distyrylbenzene-Based Molecular Crystals. <i>Advanced Materials</i> , 2012, 24, 6473-6478.	21.0	62
5	H-Shaped Oligofluorenes for Highly Air-Stable and Low-Threshold Non-Doped Deep Blue Lasing. <i>Advanced Materials</i> , 2014, 26, 2937-2942.	21.0	57
6	Correlative Atomic Force Microscopy and Localization-Based Super-Resolution Microscopy: Revealing Labelling and Image Reconstruction Artefacts. <i>ChemPhysChem</i> , 2014, 15, 647-650.	2.1	48
7	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.	14.9	46
8	Luminescent transition metal dichalcogenide nanosheets through one-step liquid phase exfoliation. <i>2D Materials</i> , 2016, 3, 035014.	4.4	42
9	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.	3.3	38
10	Positive and negative regulation of carbon nanotube catalysts through encapsulation within macrocycles. <i>Nature Communications</i> , 2018, 9, 2671.	12.8	38
11	CdSe/CdS nanoparticles immobilized on pNIPAm-based microspheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 1367-1374.	6.7	35
12	Selective carbohydrate-lectin interactions in covalent graphene- and SWCNT-based molecular recognition systems. <i>Chemical Science</i> , 2013, 4, 4035.	7.4	33
13	Orthogonal Resonator Modes and Low Lasing Threshold in Highly Emissive Distyrylbenzene-Based Molecular Crystals. <i>Advanced Optical Materials</i> , 2014, 2, 542-548.	7.3	32
14	Electropolymerized network of polyamidoamine dendron-coated gold nanoparticles as novel nanostructured electrode surface for biosensor construction. <i>Analyst</i> , 2012, 137, 342-348.	3.5	31
15	Bimodal supramolecular functionalization of carbon nanotubes triggered by covalent bond formation. <i>Chemical Science</i> , 2017, 8, 1927-1935.	7.4	29
16	Interfacing porphyrins and carbon nanotubes through mechanical links. <i>Chemical Science</i> , 2018, 9, 6779-6784.	7.4	29
17	Flexible all-polymer waveguide for low threshold amplified spontaneous emission. <i>Scientific Reports</i> , 2016, 6, 34565.	3.3	26
18	A protein with simultaneous capsid scaffolding and dsRNA-binding activities enhances the birnavirus capsid mechanical stability. <i>Scientific Reports</i> , 2015, 5, 13486.	3.3	25

19	Preparation of Luminescent Metal-Organic Framework Films by Soft-Imprinting for 2,4-Dinitrotoluene Sensing. <i>Materials</i> , 2017, 10, 992.	2.9	25
20	Reversible dispersion and release of carbon nanotubes <i>via</i> cooperative clamping interactions with hydrogen-bonded nanorings. <i>Chemical Science</i> , 2018, 9, 4176-4184.	7.4	25
21	Flexible distributed feedback lasers based on nanoimprinted cellulose diacetate with efficient multiple wavelength lasing. <i>Npj Flexible Electronics</i> , 2019, 3, .	10.7	22
22	Apo ferritin fibers: a new template for 1D fluorescent hybrid nanostructures. <i>Nanoscale</i> , 2016, 8, 9648-9656.	5.6	18
23	Efficient Optical Gain from Near-Infrared Polymer Lasers Based on Poly[ <i>N</i> -(9-heptadecanyl-2,7-carbazole-5,5'-diyl-2,2'-ethynyl)-2,1,3-benzothiadiazole]. <i>Optical Materials</i> , 2018, 6, 1800263.	5.5	18
24	Hybrid Nanoscopy of Hybrid Nanomaterials. <i>Small</i> , 2017, 13, 1603784.	10.0	17
25	Engineered protein-based functional nanopatterned materials for bio-optical devices. <i>Nanoscale Advances</i> , 2019, 1, 3980-3991.	4.6	17
26	Spinning and translational motion of Sb nanoislands manipulated on MoS <sub>2</sub> . <i>Nanotechnology</i> , 2013, 24, 325302.	2.6	16
27	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.	0.9	16
28	Assembly of designed protein scaffolds into monolayers for nanoparticle patterning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 93-101.	5.0	14
29	Ground State Host-Guest Interactions upon Effective Dispersion of Regioregular Poly(3-hexylthiophene) in Poly(9,9-dioctylfluorene-2,7-benzothiadiazole). <i>Macromolecules</i> , 2015, 48, 8765-8772.	4.8	13
30	Supramolecular One-Dimensional n/p-Nanofibers. <i>Scientific Reports</i> , 2015, 5, 14154.	3.3	12
31	Concurrent Optical Gain Optimization and Electrical Tuning in Novel Oligomer:Polymer Blends with Yellow-Green Laser Emission. <i>Advanced Science</i> , 2019, 6, 1801455.	11.2	12
32	Channeling motion of gold nanospheres on a rippled glassed surface. <i>Nanotechnology</i> , 2014, 25, 485302.	2.6	11
33	Engineering conductive protein films through nanoscale self-assembly and gold nanoparticles doping. <i>Nanoscale</i> , 2021, 13, 6772-6779.	5.6	10
34	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.	3.0	8
35	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.	1.5	7

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37	Nanomechanical properties of composite protein networks of erythroid membranes at lipid surfaces. Colloids and Surfaces B: Biointerfaces, 2017, 149, 174-183.	5.0	6
38	Studying friction while playing the violin: exploring the stick-slip phenomenon. Beilstein Journal of Nanotechnology, 2017, 8, 159-166.	2.8	6
39	Physicochemical Characterization of <i>Acidiphilium</i> sp. Biofilms. ChemPhysChem, 2013, 14, 1237-1244.	2.1	5
40	Direct measurement of the liquid 4:1 methanol-ethanol equation of state up to 5 GPa. High Pressure Research, 2008, 28, 637-640.	1.2	3
41	Molecular-scale shear response of the organic semiconductor $\text{I}^2\text{-DBDCS}$ (100) surface. Physical Review B, 2017, 96, .	3.2	3
42	A modified commercial scanner as an image plate for table-top optical applications. Review of Scientific Instruments, 2009, 80, 013104.	1.3	1