

# Elsa Couderc

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

608  
citations

1039880

9  
h-index

642610

23  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugated polymers/semiconductor nanocrystals hybrid materialsâ€™ preparation, electrical transport properties and applications. <i>Nanoscale</i> , 2011, 3, 446-489.	2.8	254
2	Critical light instability in CB/DIO processed PBDTTT-EFT:PC 71 BM organic photovoltaic devices. <i>Organic Electronics</i> , 2016, 30, 225-236.	1.4	87
3	Controlling the Trap State Landscape of Colloidal CdSe Nanocrystals with Cadmium Halide Ligands. <i>Chemistry of Materials</i> , 2015, 27, 744-756.	3.2	58
4	Chalcogenol Ligand Toolbox for CdSe Nanocrystals and Their Influence on Exciton Relaxation Pathways. <i>ACS Nano</i> , 2014, 8, 2512-2521.	7.3	48
5	The quasiparticle zoo. <i>Nature Physics</i> , 2016, 12, 1085-1089.	6.5	35
6	Direct Spectroscopic Evidence of Ultrafast Electron Transfer from a Low Band Gap Polymer to CdSe Quantum Dots in Hybrid Photovoltaic Thin Films. <i>Journal of the American Chemical Society</i> , 2013, 135, 18418-18426.	6.6	34
7	Effect of the treatment with (di-)amines and dithiols on the spectroscopic, electrochemical and electrical properties of CdSe nanocrystals' thin films. <i>Journal of Materials Chemistry</i> , 2011, 21, 11524.	6.7	27
8	Coherent $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">i < mml:msup < mml:mi>I < /mml:mi> < mml:mn>0 < /mml:mn> < /mml:msup < /mml:math > Photoproduction in Bulk Matter at High Energies. Physical Review Letters, 2009, 103, 062504.$		11
9	Charge transport in poly(3-hexylthiophene):CdSe nanocrystals hybrid thin films investigated with time-of-flight measurements. <i>Applied Physics Letters</i> , 2012, 101, 133301.	1.5	11
10	Quantifying Charge Recombination in Solar Cells Based on Donorâ€™Acceptor P3HT Analogues. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6650-6660.	1.5	6
11	Analysis of carrier transport in photovoltaic structures of P3HT with CdSe nanocrystals. <i>Applied Surface Science</i> , 2015, 334, 169-173.	3.1	6
12	Couderc and Klein Reply:. <i>Physical Review Letters</i> , 2009, 103, .	2.9	2
13	Ultrafast electron transfer from low band gap conjugated polymer to quantum dots in hybrid photovoltaic materials. , 2014, , .		1
14	Deconvoluting contributions of photoexcited species in polymer-quantum dot hybrid photovoltaic materials. <i>Journal of Photonics for Energy</i> , 2015, 5, 057404.	0.8	1
15	All-Quantum-Dot Multilayer LEDs Prepared Using Layer-by-Layer Solution Processing Show High Brightness. <i>MRS Bulletin</i> , 2010, 35, 566-566.	1.7	0
16	Nanoscale Displacements Detected by Evanescent Optical Coupling from an Optical Fiber to a Si Cantilever. <i>MRS Bulletin</i> , 2010, 35, 486-486.	1.7	0
17	Nano Focus: Organic ligands encapsulating catalytic nanoparticles improve monodispersity of vertically aligned carbon nanofibers. <i>MRS Bulletin</i> , 2011, 36, 328-330.	1.7	0
18	Energy Focus: Light-trapping Si PVs obtained by UV-nanoimprint lithography. <i>MRS Bulletin</i> , 2011, 36, 242-243.	1.7	0

#	ARTICLE	IF	CITATIONS
19	Accurate in situ measurements of dielectric constants obtained in THz range. MRS Bulletin, 2011, 36, 244-244.	1.7	0
20	Nano Focus: Thermodynamics predict enhanced vacancies formation in nanoparticles compared to the bulk. MRS Bulletin, 2011, 36, 247-247.	1.7	0
21	Electrochemically formed gas bubbles serve as propulsion fuel. MRS Bulletin, 2012, 37, 9-9.	1.7	0
22	Energy Focus: 20-fs resolution pump-probe spectroscopy reveals role of hot exciton dissociation in polymer solar cells. MRS Bulletin, 2013, 38, 119-119.	1.7	0
23	Energy Focus: Peel-and-stick method transfers thin-film solar cells. MRS Bulletin, 2013, 38, 199-199.	1.7	0
24	Glowing soft colloids give their structure away. MRS Bulletin, 2015, 40, 204-204.	1.7	0
25	Bio Focus: Water-gated transistors show unprecedented odor discrimination. MRS Bulletin, 2015, 40, 303-303.	1.7	0
26	Favourites after five. Nature Energy, 2021, 6, 7-12.	19.8	0