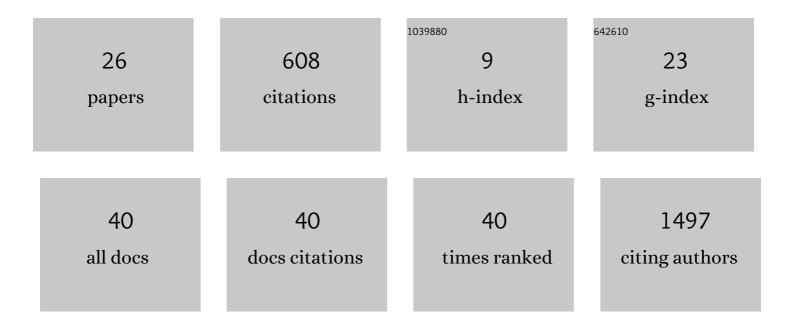
## Elsa Couderc

List of Publications by Year in descending order

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FISA COUDERC

#	Article	IF	CITATIONS
1	Conjugated polymers/semiconductor nanocrystals hybrid materials—preparation, electrical transport properties and applications. Nanoscale, 2011, 3, 446-489.	2.8	254
2	Critical light instability in CB/DIO processed PBDTTT-EFT:PC 71 BM organic photovoltaic devices. Organic Electronics, 2016, 30, 225-236.	1.4	87
3	Controlling the Trap State Landscape of Colloidal CdSe Nanocrystals with Cadmium Halide Ligands. Chemistry of Materials, 2015, 27, 744-756.	3.2	58
4	Chalcogenol Ligand Toolbox for CdSe Nanocrystals and Their Influence on Exciton Relaxation Pathways. ACS Nano, 2014, 8, 2512-2521.	7.3	48
5	The quasiparticle zoo. Nature Physics, 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. Journal of the American Chemical Society, 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. Journal of Materials Chemistry, 2011, 21, 11524.	6.7	27
8	Coherent <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"&gt;<mml:msup><mml:mi>i</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math> Photoprod in Bulk Matter at High Energies. Physical Review Letters, 2009, 103, 062504.	uction	11
9	Charge transport in poly(3-hexylthiophene):CdSe nanocrystals hybrid thin films investigated with time-of-flight measurements. Applied Physics Letters, 2012, 101, 133301.	1.5	11
10	Quantifying Charge Recombination in Solar Cells Based on Donor–Acceptor P3HT Analogues. Journal of Physical Chemistry C, 2014, 118, 6650-6660.	1.5	6
11	Analysis of carrier transport in photovoltaic structures of P3HT with CdSe nanocrystals. Applied Surface Science, 2015, 334, 169-173.	3.1	6
12	Couderc and Klein Reply:. Physical Review Letters, 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. Journal of Photonics for Energy, 2015, 5, 057404.	0.8	1
15	All-Quantum-Dot Multilayer LEDs Prepared Using Layer-by-Layer Solution Processing Show High Brightness. MRS Bulletin, 2010, 35, 566-566.	1.7	0
16	Nanoscale Displacements Detected by Evanescent Optical Coupling from an Optical Fiber to a Si Cantilever. MRS Bulletin, 2010, 35, 486-486.	1.7	0
17	Nano Focus: Organic ligands encapsulating catalytic nanoparticles improve monodispersity of vertically aligned carbon nanofibers. MRS Bulletin, 2011, 36, 328-330.	1.7	0
18	Energy Focus: Light-trapping Si PVs obtained by UV-nanoimprint lithography. MRS Bulletin, 2011, 36, 242-243.	1.7	0

Elsa Couderc

#	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