

Amir Capua

List of Publications by Year in descending order

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15
papers

615
citations

1163117

8
h-index

996975

15
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15
all docs

15
docs citations

15
times ranked

958
citing authors

#	ARTICLE	IF	CITATIONS
1	Separation of enantiomers by their enantiospecific interaction with achiral magnetic substrates. <i>Science</i> , 2018, 360, 1331-1334.	12.6	283
2	Magnetization switching in ferromagnets by adsorbed chiral molecules without current or external magnetic field. <i>Nature Communications</i> , 2017, 8, 14567.	12.8	132
3	Determination of intrinsic damping of perpendicularly magnetized ultrathin films from time-resolved precessional magnetization measurements. <i>Physical Review B</i> , 2015, 92, .	3.2	54
4	Static gain saturation in quantum dot semiconductor optical amplifiers. <i>Optics Express</i> , 2008, 16, 8269.	3.4	44
5	Rabi oscillations and self-induced transparency in InAs/InP quantum dot semiconductor optical amplifier operating at room temperature. <i>Optics Express</i> , 2013, 21, 26786.	3.4	33
6	Ensemble-averaged Rabi oscillations in a ferromagnetic CoFeB film. <i>Nature Communications</i> , 2017, 8, 16004.	12.8	17
7	Phase-resolved detection of the spin Hall angle by optical ferromagnetic resonance in perpendicularly magnetized thin films. <i>Physical Review B</i> , 2017, 95, .	3.2	13
8	Extreme nonlinearities in InAs/InP nanowire gain media: the two-photon induced laser. <i>Optics Express</i> , 2012, 20, 5987.	3.4	9
9	Complex characterization of short-pulse propagation through InAs/InP quantum-dash optical amplifiers: from the quasi-linear to the two-photon-dominated regime. <i>Optics Express</i> , 2012, 20, 347.	3.4	8
10	Parametric Harmonic Generation as a Probe of Unconstrained Spin Magnetization Precession in the Shallow Barrier Limit. <i>Physical Review Letters</i> , 2016, 116, 047204.	7.8	7
11	Crystallographic dependence of the spin Hall angle in epitaxial Pt films: Comparison of optical and electrical detection of spin-torque ferromagnetic resonance techniques. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	5
12	Coherent light matter interactions in nanostructure based active semiconductor waveguides operating at room temperature. <i>Applied Physics Reviews</i> , 2019, 6, 041317.	11.3	3
13	Efficient Chiral-Domain-Wall Motion Driven by Spin-Orbit Torque in Metastable Platinum Films. <i>Physical Review Applied</i> , 2020, 14, .	3.8	3
14	Determination of the spin Hall angle by the inverse spin Hall effect, device level ferromagnetic resonance, and spin torque ferromagnetic resonance: A comparison of methods. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	2
15	Coherent control in ferromagnets driven by microwave radiation and spin polarized current. <i>Physical Review B</i> , 2020, 102, .	3.2	2