

Amir Capua

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

615
citations

1163117

8
h-index

996975

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g-index

15
all docs

15
docs citations

15
times ranked

958
citing authors

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