

Gustavo Moriena

List of Publications by Year in descending order

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19
papers

1,553
citations

759233

12
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

2205
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz-driven linear electron acceleration. <i>Nature Communications</i> , 2015, 6, 8486.	12.8	461
2	Snapshots of cooperative atomic motions in the optical suppression of charge density waves. <i>Nature</i> , 2010, 468, 799-802.	27.8	373
3	Mapping molecular motions leading to charge delocalization with ultrabright electrons. <i>Nature</i> , 2013, 496, 343-346.	27.8	240
4	Full characterization of RF compressed femtosecond electron pulses using ponderomotive scattering. <i>Optics Express</i> , 2012, 20, 12048.	3.4	106
5	'Making the molecular movie': first frames. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, 137-156.	0.3	84
6	Direct longitudinal laser acceleration of electrons in free space. <i>Physical Review Accelerators and Beams</i> , 2016, 19, .	1.6	73
7	Structural Dynamics upon Photoexcitation in a Spin Crossover Crystal Probed with Femtosecond Electron Diffraction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7130-7134.	13.8	43
8	Cold ablation driven by localized forces in alkali halides. <i>Nature Communications</i> , 2014, 5, 3863.	12.8	41
9	Evaluation of the protective properties of natural and artificial patinas on copper. Part I. Patinas formed by immersion. <i>Corrosion Science</i> , 1999, 41, 625-651.	6.6	38
10	Water-Soluble Conjugated Polyelectrolytes with Branched Polyionic Side Chains. <i>Macromolecules</i> , 2011, 44, 4742-4751.	4.8	38
11	Femtosecond electron diffraction: Preparation and characterization of (110)-oriented bismuth films. <i>Journal of Applied Physics</i> , 2012, 111, 043504.	2.5	20
12	Ultrafast electron diffraction study of single-crystal (EDO-TTF) ₂ SbF ₆ : Counterion effect and dimensionality reduction. <i>Chemical Physics Letters</i> , 2017, 683, 160-165.	2.6	12
13	Dynamical pathways for isomerization processes in the water nonamer. <i>Chemical Physics Letters</i> , 2002, 356, 147-152.	2.6	9
14	Thermal effects on the electric deflection of toluene molecules. <i>Chemical Physics Letters</i> , 2008, 467, 14-17.	2.6	7
15	Structural Dynamics upon Photoexcitation in a Spin Crossover Crystal Probed with Femtosecond Electron Diffraction. <i>Angewandte Chemie</i> , 2017, 129, 7236-7240.	2.0	7
16	Ultrabright Femtosecond Electron Sources: Ultrafast Structural Dynamics in Labile Organic Crystals. <i>Microscopy and Microanalysis</i> , 2015, 21, 1207-1208.	0.4	1
17	Femtosecond Electron Diffraction for the Study of Charge Density Waves. , 2012, , .		0
18	Observation of counterion effects and dimensionality reduction in single-crystal (EDO-TTF) ₂ SbF ₆ with ultrafast electron diffraction. <i>EPJ Web of Conferences</i> , 2019, 205, 04007.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Direct observation of structural dynamics upon photo-excitation in a spin crossover crystal with femtosecond electron diffraction. EPJ Web of Conferences, 2019, 205, 07005.	0.3	0