

# Inigo Aldazabal

## List of Publications by Year in descending order

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22  
papers

270  
citations

1307594

7  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

429  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-channel approach to the average retarding force of metals for slow singly ionized projectiles. <i>Physical Review A</i> , 2020, 102, .	2.5	0
2	Plastically-Induced Volume Deformation of Nanocrystalline $\hat{\pm}$ -Fe with a $\langle 110 \rangle$ Columnar Structure. <i>Metals</i> , 2020, 10, 1649.	2.3	0
3	Swift charged particles in a degenerate electron gas: An estimation for the charge-sign effect in stopping. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2020, 474, 74-77.	1.4	1
4	Correlated model atom in a time-dependent external field: Sign effect in the energy shift. <i>Advances in Quantum Chemistry</i> , 2019, , 23-45.	0.8	2
5	Elasto-plastic behaviour of a columnar structure of nanocrystalline iron with sharp $\sim 011$ fibre texture. <i>Materialia</i> , 2018, 2, 218-230.	2.7	4
6	Quantum-size effects in the loss function of Pb(111) thin films: An <i>ab initio</i> study. <i>Physical Review B</i> , 2017, 95, .	3.2	14
7	Ultrafast electronic response of graphene to a strong and localized electric field. <i>Nature Communications</i> , 2016, 7, 13948.	12.8	125
8	Atomistic simulation of the elongation response of a $\langle 011 \rangle$ oriented columnar nano-grain bcc Fe polycrystalline sample. <i>Meccanica</i> , 2016, 51, 401-413.	2.0	4
9	Exact time evolution of the pair distribution function for an entangled two-electron initial state. <i>Physical Review A</i> , 2012, 86, .	2.5	10
10	Series expansions for an exact two-electron wave function in terms of $L\tilde{A}$ rdin's renormalized natural orbitals. <i>Physical Review A</i> , 2012, 85, .	2.5	5
11	The helium atom in metallic electron gases: a comparative study based on screened Schrödinger Hamiltonians. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 095701.	1.5	7
12	Localization, splitting, and mixing of field emission resonances induced by alkali metal clusters on Cu(100). <i>Physical Review B</i> , 2011, 83, .	3.2	25
13	Metric measures of interparticle interaction in an exactly solvable two-electron model atom. <i>Physical Review A</i> , 2011, 84, .	2.5	12
14	Orientation-dependent stopping power of a degenerate electron gas for slow homonuclear dimers. <i>Physical Review A</i> , 2010, 81, .	2.5	3
15	Charge-state-dependent collisional energy-loss straggling of swift ions in a degenerate electron gas. <i>Physical Review A</i> , 2009, 80, .	2.5	3
16	Study of the induced potential produced by ultrashort pulses on metal surfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 2331.	2.1	12
17	Electron emission and energy loss in grazing collisions of protons with insulator surfaces. <i>Physical Review A</i> , 2007, 76, .	2.5	5
18	Role of the electric field in surface electron dynamics above the vacuum level. <i>Physical Review B</i> , 2007, 75, .	3.2	33

#	ARTICLE	IF	CITATIONS
19	Modeling the Co-Extrusion of Ceramic Pastes for Fabrication of Fibrous Monolithic Composites. , 2006, , 651-657.		0
20	Role of projectile charge state in convoy electron emission by fast protons colliding with LiF(001). Nuclear Instruments & Methods in Physics Research B, 2005, 232, 53-58.	1.4	3
21	Grazing incidence collisions of fast protons with insulators: electron emission around the convoy peak. Physica Status Solidi (B): Basic Research, 2004, 241, 2374-2379.	1.5	2
22	Sudden excitations of harmonic normal modes. Journal of Mathematical Chemistry, 0, , 1.	1.5	0