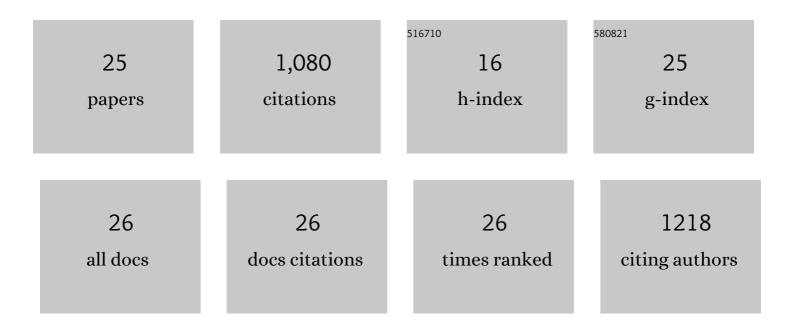


List of Publications by Year in descending order

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Ιτικι Χιλ

#	Article	IF	CITATIONS
1	Grapheneâ€Piezoelectric Material Heterostructure for Harvesting Energy from Water Flow. Advanced Functional Materials, 2017, 27, 1604226.	14.9	121
2	Modulation of Molecular Spatial Distribution and Chemisorption with Perforated Nanosheets for Ethanol Electroâ€oxidation. Advanced Materials, 2019, 31, e1900528.	21.0	111
3	Solid–liquid phase transition induced electrocatalytic switching from hydrogen evolution to highly selective CO2 reduction. Nature Catalysis, 2021, 4, 202-211.	34.4	89
4	Strengthening and Toughening Hierarchical Nanocellulose <i>via</i> Humidity-Mediated Interface. ACS Nano, 2021, 15, 1310-1320.	14.6	85
5	Superior Biomimetic Nacreous Bulk Nanocomposites by a Multiscale Soft-Rigid Dual-Network Interfacial Design Strategy. Matter, 2019, 1, 412-427.	10.0	81
6	Biomimetic twisted plywood structural materials. National Science Review, 2018, 5, 703-714.	9.5	79
7	Unidirectional and Selective Proton Transport in Artificial Heterostructured Nanochannels with Nanoâ€ŧo‣ubnano Confined Water Clusters. Advanced Materials, 2020, 32, e2001777.	21.0	72
8	Multiscale gas transport behavior in heterogeneous shale matrix consisting of organic and inorganic nanopores. Journal of Natural Gas Science and Engineering, 2020, 75, 103139.	4.4	67
9	A Highly Compressible and Stretchable Carbon Spring for Smart Vibration and Magnetism Sensors. Advanced Materials, 2021, 33, e2102724.	21.0	51
10	Ultrafast rectifying counter-directional transport of proton and metal ions in metal-organic framework–based nanochannels. Science Advances, 2022, 8, eabl5070.	10.3	48
11	Dehydration impeding ionic conductance through two-dimensional angstrom-scale slits. Nanoscale, 2019, 11, 8449-8457.	5.6	40
12	Nanoconfined Transport Characteristic of Methane in Organic Shale Nanopores: The Applicability of the Continuous Model. Energy & Fuels, 2020, 34, 9552-9562.	5.1	39
13	Optimization design on simultaneously strengthening and toughening graphene-based nacre-like materials through noncovalent interaction. Journal of the Mechanics and Physics of Solids, 2019, 133, 103706.	4.8	36
14	Artificial Nacre with High Toughness Amplification Factor: Residual Stressâ€Engineering Sparks Enhanced Extrinsic Toughening Mechanisms. Advanced Materials, 2022, 34, e2108267.	21.0	34
15	Molecular insights into the initial formation of pyrolytic carbon upon carbon fiber surface. Carbon, 2019, 148, 307-316.	10.3	30
16	Superstrong Noncovalent Interface between Melamine and Graphene Oxide. ACS Applied Materials & Interfaces, 2019, 11, 17068-17078.	8.0	18
17	Micromechanical Landscape of Three-Dimensional Disordered Graphene Networks. Nano Letters, 2021, 21, 8401-8408.	9.1	17
18	Formation mechanism and structural characteristic of pore-networks in shale kerogen during in-situ conversion process. Energy, 2022, 242, 122992.	8.8	16

Jun Xia

#	Article	IF	CITATIONS
19	Anomalously low friction of confined monolayer water with a quadrilateral structure. Journal of Chemical Physics, 2021, 154, 224508.	3.0	14
20	Enhanced Gas Recovery in Kerogen Pyrolytic Pore Network: Molecular Simulations and Theoretical Analysis. Energy & Fuels, 2021, 35, 2253-2267.	5.1	12
21	Transformation between divacancy defects induced by an energy pulse in graphene. Nanotechnology, 2016, 27, 274004.	2.6	6
22	Surface microenvironment optimization―induced robust oxygen reduction for neutral zincâ€air batteries. Natural Sciences, 2021, 1, e20210005.	2.1	6
23	Effect of grain boundaries on mechanical transverse wave propagations in graphene. Journal of Applied Physics, 2017, 121, .	2.5	4
24	Unravelling the bindings between organic molecule and reduced graphene oxide in aqueous environment. Carbon, 2020, 167, 345-350.	10.3	3
25	A Highly Compressible and Stretchable Carbon Spring for Smart Vibration and Magnetism Sensors (Adv. Mater. 39/2021). Advanced Materials, 2021, 33, 2170308.	21.0	0