

# Antonio Gaetano Ricciardulli

## List of Publications by Year in descending order

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23  
papers

1,847  
citations

567281

15  
h-index

642732

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23  
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23  
docs citations

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times ranked

2707  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluoride-Free Synthesis of Two-Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15491-15495.	13.8	393
2	Fluoride-Free Synthesis of Two-Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. <i>Angewandte Chemie</i> , 2018, 130, 15717-15721.	2.0	241
3	Hybrid Silver Nanowire and Graphene-Based Solution-Processed Transparent Electrode for Organic Optoelectronics. <i>Advanced Functional Materials</i> , 2018, 28, 1706010.	14.9	235
4	An open-access database and analysis tool for perovskite solar cells based on the FAIR data principles. <i>Nature Energy</i> , 2022, 7, 107-115.	39.5	136
5	Ultrafast Delamination of Graphite into High-Quality Graphene Using Alternating Currents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6669-6675.	13.8	134
6	Emerging perovskite monolayers. <i>Nature Materials</i> , 2021, 20, 1325-1336.	27.5	124
7	A Delamination Strategy for Thinly Layered Defect-Free High-Mobility Black Phosphorus Flakes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4677-4681.	13.8	98
8	Topochemical Synthesis of Two-Dimensional Transition-Metal Phosphides Using Phosphorene Templates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 465-470.	13.8	94
9	Embedded Nickel-Mesh Transparent Electrodes for Highly Efficient and Mechanically Stable Flexible Perovskite Photovoltaics: Toward a Portable Mobile Energy Source. <i>Advanced Materials</i> , 2020, 32, e2003422.	21.0	62
10	Two-Dimensional Violet Phosphorus: A p-Type Semiconductor for (Opto)electronics. <i>Journal of the American Chemical Society</i> , 2022, 144, 3660-3666.	13.7	56
11	Solution-Processable High-Quality Graphene for Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25412-25417.	8.0	54
12	A Delamination Strategy for Thinly Layered Defect-Free High-Mobility Black Phosphorus Flakes. <i>Angewandte Chemie</i> , 2018, 130, 4767-4771.	2.0	47
13	Solution-Processable 2D Materials Applied in Light-Emitting Diodes and Solar Cells. <i>Advanced Materials Technologies</i> , 2020, 5, 1900972.	5.8	40
14	Stability of perovskite materials and devices. <i>Materials Today</i> , 2022, 58, 275-296.	14.2	35
15	Improved Hole Injection into Perovskite Light-Emitting Diodes Using A Black Phosphorus Interlayer. <i>Advanced Electronic Materials</i> , 2019, 5, 1800687.	5.1	20
16	Ring size effect on the solid state assembly of propargyl substituted hexa- and octacyclic peptoids. <i>CrystEngComm</i> , 2016, 18, 8838-8848.	2.6	15
17	Dithieno[2,3-d;2',3'-d']benzo[2,1-b;3,4-b']dithiophene: a novel building-block for a planar copolymer. <i>Polymer Chemistry</i> , 2016, 7, 1545-1548.	3.9	13
18	Ultraschnelle Schichtablösung von Graphit zu qualitativ hochwertigem Graphen durch Nutzung von Wechselstrom. <i>Angewandte Chemie</i> , 2017, 129, 6770-6776.	2.0	11

#	ARTICLE	IF	CITATIONS
19	Open-circuit voltage loss in annealed P3HT:perylene diimide bulk heterojunction solar cells. Applied Physics Letters, 2017, 110, .	3.3	10
20	Mechanism of ultrafast energy transfer between the organicâ€“inorganic layers in multiple-ring aromatic spacers for 2D perovskites. Nanoscale, 2021, 13, 15668-15676.	5.6	9
21	Polymerâ€“perovskite blend light-emitting diodes using a self-compensated heavily doped polymeric anode. APL Materials, 2020, 8, 021101.	5.1	9
22	Topochemical Synthesis of Twoâ€“Dimensional Transitionâ€“Metal Phosphides Using Phosphorene Templates. Angewandte Chemie, 2020, 132, 473-478.	2.0	8
23	Ultrafast Carrier Dynamics in Wide Band Gap Mixed-Cation Perovskites: Influence of the Cs Cation. Journal of Physical Chemistry C, 2022, 126, 8787-8793.	3.1	3