Jovana V MiliÄ

List of Publications by Year
in descending order

63 papers	2,738 citations	346980 22 h-index	206121 51 g-index
64 all docs	64 docs citations	64 times ranked	4063 citing authors

#	Article	IF	Citations
1	Multiâ€Length Scale Structure of 2D/3D Dionâ€“Jacobson Hybrid Perovskites Based on an Aromatic Diammonium Spacer. Small, 2022, 18, e2104287.	5.2	10
2	Scalable ways to break the efficiency limit of single-junction solar cells. Applied Physics Letters, 2022, 120, .	1.5	4
3	The Emerging Role of Halogen Bonding in Hybrid Perovskite Photovoltaics. Chemistry of Materials, 2022, 34, 2495-2502.	3.2	29
4	Reversible Pressureâ€Dependent Mechanochromism of Dionâ€“Jacobson and Ruddlesdenâ€“Popper Layered Hybrid Perovskites. Advanced Materials, 2022, 34, e2108720.	11.1	19
5	Nanosegregation in arene-perfluoroarene Ï€-systems for hybrid layered Dionâ€“Jacobson perovskites. Nanoscale, 2022, 14, 6771-6776.	2.8	7
6	Mentoring in Times of Crisis and Beyond. Angewandte Chemie - International Edition, 2022, 61, e202201063.	7.2	2
7	Photo Deâ€Mixing in Dionâ€Jacobson 2D Mixed Halide Perovskites. Advanced Energy Materials, 2022, 12, .	10.2	14
8	Thiocyanate-Mediated Dimensionality Transformation of Low-Dimensional Perovskites for Photovoltaics. Chemistry of Materials, 2022, 34, 6331-6338.	3.2	5
9	Multifunctional layered hybrid perovskites. Journal of Materials Chemistry C, 2021, 9, 11428-11443.	2.7	35
10	Scientific writing and publishing for early-career researchers from the perspective of young chemists. Journal of Materials Chemistry A, 2021, 9, 18674-18680.	5.2	4
11	The Rise of Dyeâ€Sensitized Solar Cells: From Molecular Photovoltaics to Emerging Solidâ€State Photovoltaic Technologies. Helvetica Chimica Acta, 2021, 104, e2000230.	1.0	18
12	The Role of Earlyâ€Career Chemists in European Policyâ€Making. Chemistry - A European Journal, 2021, 27, 6359-6366.	1.7	3
13	Mixed Conductivity of Hybrid Halide Perovskites: Emerging Opportunities and Challenges. Frontiers in Energy Research, 2021, 9, .	1.2	26
14	How free excitonâ€“exciton annihilation lets bound exciton emission dominate the photoluminescence of 2D-perovskites under high-fluence pulsed excitation at cryogenic temperatures. Journal of Applied Physics, 2021, 129, .	1.1	11
15	Benzylammoniumâ€Mediated Formamidinium Lead Iodide Perovskite Phase Stabilization for Photovoltaics. Advanced Functional Materials, 2021, 31, 2101163.	7.8	28
16	Water Stable Haloplumbate Modulation for Efficient and Stable Hybrid Perovskite Photovoltaics. Advanced Energy Materials, 2021, 11, 2101082.	10.2	21
17	Multimodal hostâ€“guest complexation for efficient and stable perovskite photovoltaics. Nature Communications, 2021, 12, 3383.	5.8	72
18	Layered Hybrid Formamidinium Lead Iodide Perovskites: Challenges and Opportunities. Accounts of Chemical Research, 2021, 54, 2729-2740.	7.6	48

#	Article	IF	Citations
19	Get tougher. Nature Energy, 2021, 6, 858-859.	19.8	7
20	Naphthalenediimide/Formamidinium-Based Low-Dimensional Perovskites. Chemistry of Materials, 2021, 33, 6412-6420.	3.2	16
21	Supramolecular templating in hybrid perovskite photovoltaics. , 2021, , .		0
22	Dopant Engineering for Spiroâ€OMeTAD Holeâ€Transporting Materials towards Efficient Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2102124.	7.8	67
23	Nanoscale Phase Segregation in Supramolecular Ï€-Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. Journal of the American Chemical Society, 2021, 143, 1529-1538.	6.6	55
24	Unravelling the Behavior of Dionâ€“Jacobson Layered Hybrid Perovskites in Humid Environments. ACS Energy Letters, 2021, 6, 337-344.	8.8	44
25	Host-guest complexation in hybrid perovskite optoelectronics. JPhys Materials, 2021, 4, 042011.	1.8	8
26	The Role of Alkyl Chain Length and Halide Counter Ion in Layered Dionâ€Jacobson Perovskites with Aromatic Spacers. Journal of Physical Chemistry Letters, 2021, 12, 10325-10332.	2.1	23
27	Supramolecular Modulation of Hybrid Perovskite Solar Cells via Bifunctional Halogen Bonding Revealed by Two-Dimensional ¹⁹F Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2020, 142, 1645-1654.	6.6	69
28	Guanineâ€Stabilized Formamidinium Lead Iodide Perovskites. Angewandte Chemie - International Edition, 2020, 59, 4691-4697.	7.2	61
29	Guanineâ€Stabilized Formamidinium Lead Iodide Perovskites. Angewandte Chemie, 2020, 132, 4721-4727.	1.6	0
30	The Future of Scientific Leadership is Interdisciplinary: The 2019 CAS Future Leaders Share Their Vision. IScience, 2020, 23, 101442.	1.9	0
31	Formamidiniumâ€Based Dionâ€Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. Advanced Functional Materials, 2020, 30, 2003428.	7.8	61
32	Unravelling the structural complexity and photophysical properties of adamantyl-based layered hybrid perovskites. Journal of Materials Chemistry A, 2020, 8, 17732-17740.	5.2	14
33	Crown Ether Modulation Enables over 23% Efficient Formamidinium-Based Perovskite Solar Cells. Journal of the American Chemical Society, 2020, 142, 19980-19991.	6.6	145
34	Online Meetings in Times of Global Crisis: Toward Sustainable Conferencing. ACS Energy Letters, 2020, 5, 2024-2026.	8.8	18
35	Frontispiece: The Quest for Molecular Grippers: Photoâ€Electric Control of Molecular Gripping Machinery. Chemistry - A European Journal, 2019, 25, .	1.7	0
36	Atomic-Level Microstructure of Efficient Formamidinium-Based Perovskite Solar Cells Stabilized by 5-Ammonium Valeric Acid Iodide Revealed by Multinuclear and Two-Dimensional Solid-State NMR. Journal of the American Chemical Society, 2019, 141, 17659-17669.	6.6	104

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37	Ultrahydrophobic 3D/2D fluoroarene bilayer-based water-resistant perovskite solar cells with efficiencies exceeding 22%. Science Advances, 2019, 5, eaaw2543.	4.7	524
38	The Quest for Molecular Grippers: Photoâ€Electric Control of Molecular Gripping Machinery. Chemistry - A European Journal, 2019, 25, 8440-8452.	1.7	19
39	<scp>Vase</scp>â€<scp>Kite</scp> Equilibrium of Resorcin[4]arene Cavitands Investigated Using Molecular Dynamics Simulations with Ballâ€andâ€Stick Local Elevation Umbrella Sampling. Helvetica Chimica Acta, 2019, 102, e1900060.	1.0	3
40	Spectro-electrochemical toolbox for monitoring and controlling quinone-mediated redox-driven molecular gripping. Electrochimica Acta, 2019, 313, 544-560.	2.6	9
41	Multifunctional Molecular Modulation for Efficient and Stable Hybrid Perovskite Solar Cells. Chimia, 2019, 73, 317.	0.3	19
42	Supramolecular Engineering for Formamidiniumâ€Based Layered 2D Perovskite Solar Cells: Structural Complexity and Dynamics Revealed by Solidâ€State NMR Spectroscopy. Advanced Energy Materials, 2019, 9, 1900284.	10.2	89
43	Thioetherâ€Functionalized Quinoneâ€Based Resorcin[4]arene Cavitands: Electroswitchable Molecular Actuators. Helvetica Chimica Acta, 2019, 102, e1800225.	1.0	5
44	Chalcogen Bonding â€œ2Sâ€“2N Squaresâ€•versus Competing Interactions: Exploring the Recognition Properties of Sulfur. Chemistry - A European Journal, 2019, 25, 323-333.	1.7	76
45	Bifunctional Organic Spacers for Formamidinium-Based Hybrid Dionâ€“Jacobson Two-Dimensional Perovskite Solar Cells. Nano Letters, 2019, 19, 150-157.	4.5	218
46	Photoredoxâ€Switchable Resorcin[4]arene Cavitands: Radical Control of Molecular Gripping Machinery via Hydrogen Bonding. Chemistry - A European Journal, 2018, 24, 1431-1440.	1.7	15
47	Addition of adamantylammonium iodide to hole transport layers enables highly efficient and electroluminescent perovskite solar cells. Energy and Environmental Science, 2018, 11, 3310-3320.	15.6	137
48	Multifunctional molecular modulators for perovskite solar cells with over 20% efficiency and high operational stability. Nature Communications, 2018, 9, 4482.	5.8	266
49	Improving the stability and performance of perovskite solar cells via off-the-shelf post-device ligand treatment. Energy and Environmental Science, 2018, 11, 2253-2262.	15.6	181
50	Reduced Graphene Oxide as a Stabilizing Agent in Perovskite Solar Cells. Advanced Materials Interfaces, 2018, 5, 1800416.	1.9	45
51	Light-actuated resorcin[4]arene cavitands. Tetrahedron, 2018, 74, 5615-5626.	1.0	7
52	Light-Responsive Pyrazine-Based Systems: Probing Aromatic Diarylethene Photocyclization. Journal of Physical Chemistry C, 2018, 122, 19100-19109.	1.5	19
53	Paramagnetic Molecular Grippers: The Elements of Six-State Redox Switches. Journal of Physical Chemistry Letters, 2016, 7, 2470-2477.	2.1	12
54	Evaluation of Hydrogen-Bond Acceptors for Redox-Switchable Resorcin[4]arene Cavitands. Journal of the American Chemical Society, 2014, 136, 3852-3858.	6.6	39

#	ARTICLE	IF	CITATIONS
55	A Virtual Journey in Empowering Early-Career Chemists. ChemistryViews, 0, , .	0.0	1
56	14th Delegate Assembly of the European Young Chemists' Network (EYCN). ChemistryViews, 0, , .	0.0	0
57	Supramolecular Engineering of Layered Hybrid Perovskite Materials for Stable Perovskite Solar Cells. , 0, , .		0
58	A Supramolecular Approach to the Stability of Hybrid Perovskites. , 0, , .		0
59	A Platform for Connecting and Empowering Early-Career Chemists. ChemistryViews, 0, , .	0.0	3
60	EYCN and IYCN: Connecting and Empowering Young Chemists Globally. ChemistryViews, 0, , .	0.0	0
61	Supramolecular Engineering of Layered Hybrid Perovskite Materials for Stable Perovskite Solar Cells. , 0, , .		0
62	Mentoring in Times of Crisis and Beyond. Angewandte Chemie, 0, , .	1.6	0
63	Reversible photo de-mixing in two-dimensional Dion-Jacobson mixed halide perovskites: photo-miscibility gap mapped. , 0, , .		0