

Bertold Rasche

List of Publications by Year in descending order

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papers

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759233

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44
all docs

44
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44
times ranked

1058
citing authors

#	ARTICLE	IF	CITATIONS
1	Stacked topological insulator built from bismuth-based graphene sheet analogues. Nature Materials, 2013, 12, 422-425.	27.5	177
2	Subnanometre-wide electron channels protected by topology. Nature Physics, 2015, 11, 338-343.	16.7	114
3	Scaleable ultra-thin and high power density graphene electrochemical capacitor electrodes manufactured by aqueous exfoliation and spray deposition. Carbon, 2013, 52, 337-346.	10.3	47
4	Bismuth-based candidates for topological insulators: Chemistry beyond Bi_2Te_3 . Physica Status Solidi - Rapid Research Letters, 2013, 7, 39-49.	2.4	39
5	Electrochemical Detection and Quantification of Lithium Ions in Authentic Human Saliva Using LiMn_2O_4 -Modified Electrodes. ACS Sensors, 2019, 4, 2497-2506.	7.8	32
6	Stability and Electronic Properties of Bismuth Nanotubes. Journal of Physical Chemistry C, 2010, 114, 22092-22097.	3.1	31
7	Crystal Growth and Real Structure Effects of the First Weak 3D Stacked Topological Insulator $\text{Bi}_{14}\text{Rh}_3\text{I}_9$. Chemistry of Materials, 2013, 25, 2359-2364.	6.7	30
8	Surface area measurements of graphene and graphene oxide samples: Dopamine adsorption as a complement or alternative to methylene blue?. Applied Materials Today, 2020, 18, 100506.	4.3	29
9	Electronic Structure of the Dark Surface of the Weak Topological Insulator $\text{Bi}_{14}\text{Rh}_3\text{I}_9$. ACS Nano, 2016, 10, 3995-4003.	14.6	22
10	Pentagonal Bismuth Antiprisms with Endohedral Palladium or Platinum Atoms by Low-Temperature Syntheses. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 69-80.	1.2	22
11	The Topochemical Pseudomorphosis of a Chloride into a Bismuthide. Angewandte Chemie - International Edition, 2014, 53, 3254-3258.	13.8	15
12	A Metallic Room-Temperature Oxide Ion Conductor. Angewandte Chemie - International Edition, 2014, 53, 7344-7348.	13.8	14
13	A photosensor based on lead-free perovskite-like methyl-ammonium bismuth iodide. Sensors and Actuators A: Physical, 2019, 291, 75-79.	4.1	13
14	Low-Temperature Topochemical Transformation of $\text{Bi}_{13}\text{Pt}_3\text{I}_7$ into the New Layered Honeycomb Metal $\text{Bi}_{12}\text{Pt}_3\text{I}_5$. Chemistry - A European Journal, 2014, 20, 17152-17160.	3.3	11
15	Electrocatalytic Oxidation of Hydroxide Ions by Co_3O_4 and Co_3O_4 @ SiO_2 Nanoparticles Both at Particle Ensembles and at the Single Particle Level. ChemElectroChem, 2020, 7, 1261-1276.	3.4	11
16	New Environment for a Two-Dimensional Topological Insulator with Hexagonal Channels Hosting Diiodido-bismuthate(I) Anions in a Singlet State. Chemistry of Materials, 2016, 28, 665-672.	6.7	10
17	Polyselenides on the route to electrodeposited selenium. Journal of Electroanalytical Chemistry, 2019, 835, 239-247.	3.8	10
18	Correlation between topological band character and chemical bonding in a $\text{Bi}_{14}\text{Rh}_3\text{I}_9$ -based family of insulators. Scientific Reports, 2016, 6, 20645.	3.3	9

#	ARTICLE	IF	CITATIONS
19	In situ Electrochemical X-ray Diffraction: A Rigorous Method to Navigate within Phase Diagrams Reveals Fe_{1+x}Se as Superconductor for All x . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15401-15406.	13.8	7
20	Introducing "Insertive Stripping Voltammetry" Electrochemical Determination of Sodium Ions Using an Iron(III) Phosphate-Modified Electrode. <i>ACS Sensors</i> , 2020, 5, 519-526.	7.8	7
21	Determination of Cleavage Energy and Efficient Nanostructuring of Layered Materials by Atomic Force Microscopy. <i>Nano Letters</i> , 2022, 22, 3550-3556.	9.1	7
22	Optimized Synthesis of the Bismuth Subiodides Bi_mI_4 ($m = 4, 14, 16, 18$) and the Electronic Properties of Bi_{14}I_4 and Bi_{18}I_4 . <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5609-5615.	2.0	6
23	The Bismuth Subiodides $\text{Bi}_8\text{Pt}_5\text{I}_3$ and $\text{Bi}_{16}\text{Pt}_{11}\text{I}_6$ "Layered Metals with Covalent Platinum Networks". <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1444-1452.	1.2	5

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