

# Robert T Bell

## List of Publications by Year in descending order

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docs citations

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88  
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#	ARTICLE	IF	CITATIONS
1	Lateral Temperature-Gradient Method for High-Throughput Characterization of Material Processing by Millisecond Laser Annealing. ACS Combinatorial Science, 2016, 18, 548-558.	3.8	19
2	Phase separation during bulk polymerization of methyl methacrylate. Polymer Journal, 2019, 51, 423-431.	2.7	18
3	Prototype latent heat storage system with aluminum-silicon as a phase change material and a Stirling engine for electricity generation. Energy Conversion and Management, 2019, 199, 111992.	9.2	14
4	Rapid Identification of Synthetic Routes to Functional Metastable Phases Using X-ray Probed Laser Anneal Mapping (XPLAM) Time-Resolved Temperature Quench Maps. Chemistry of Materials, 2021, 33, 4328-4336.	6.7	7
5	Formation of $6\text{H-Ba}_3\text{Ce}_{0.75}\text{Mn}_{2.25}\text{O}_9$ during Thermochemical Reduction of $12\text{R-Ba}_4\text{CeMn}_3\text{O}_{12}$ : Identification of a Polytype in the $\text{Ba}(\text{Ce},\text{Mn})\text{O}_3$ Family. Inorganic Chemistry, 2022, 61, 6128-6137.	4.0	6
6	Effect of Laser Annealing on the Structure of Amorphous Porous SiCOH Materials. Journal of Physical Chemistry C, 2015, 119, 12616-12624.	3.1	5
7	$\text{Mg}(\text{BH}_4)_2$ -Based Hybrid Metal-Organic Borohydride System Exhibiting Enhanced Chemical Stability in Melt. ACS Applied Energy Materials, 2021, 4, 1704-1713.	5.1	5
8	¼-Rainbow: CdSe Nanocrystal Photoluminescence Gradients via Laser Spike Annealing for Kinetic Investigations and Tunable Device Design. Nano Letters, 2016, 16, 967-972.	9.1	2
9	Enhanced Thermal Stability of Low- $k$ Ethyl-Bridged Organosilicas Using Laser Spike Annealing. ACS Applied Electronic Materials, 2019, 1, 1243-1250.	4.3	2
10	Understanding Degradation Onset in High Temperature Electrolysis Cells with Transmission X-Ray Microscopy. ECS Meeting Abstracts, 2021, MA2021-02, 1342-1342.	0.0	0
11	Uniting Experiment and Computational Modeling to Elucidate Structure-Property Relationships of Water Splitting Materials. ECS Meeting Abstracts, 2021, MA2021-02, 1347-1347.	0.0	0