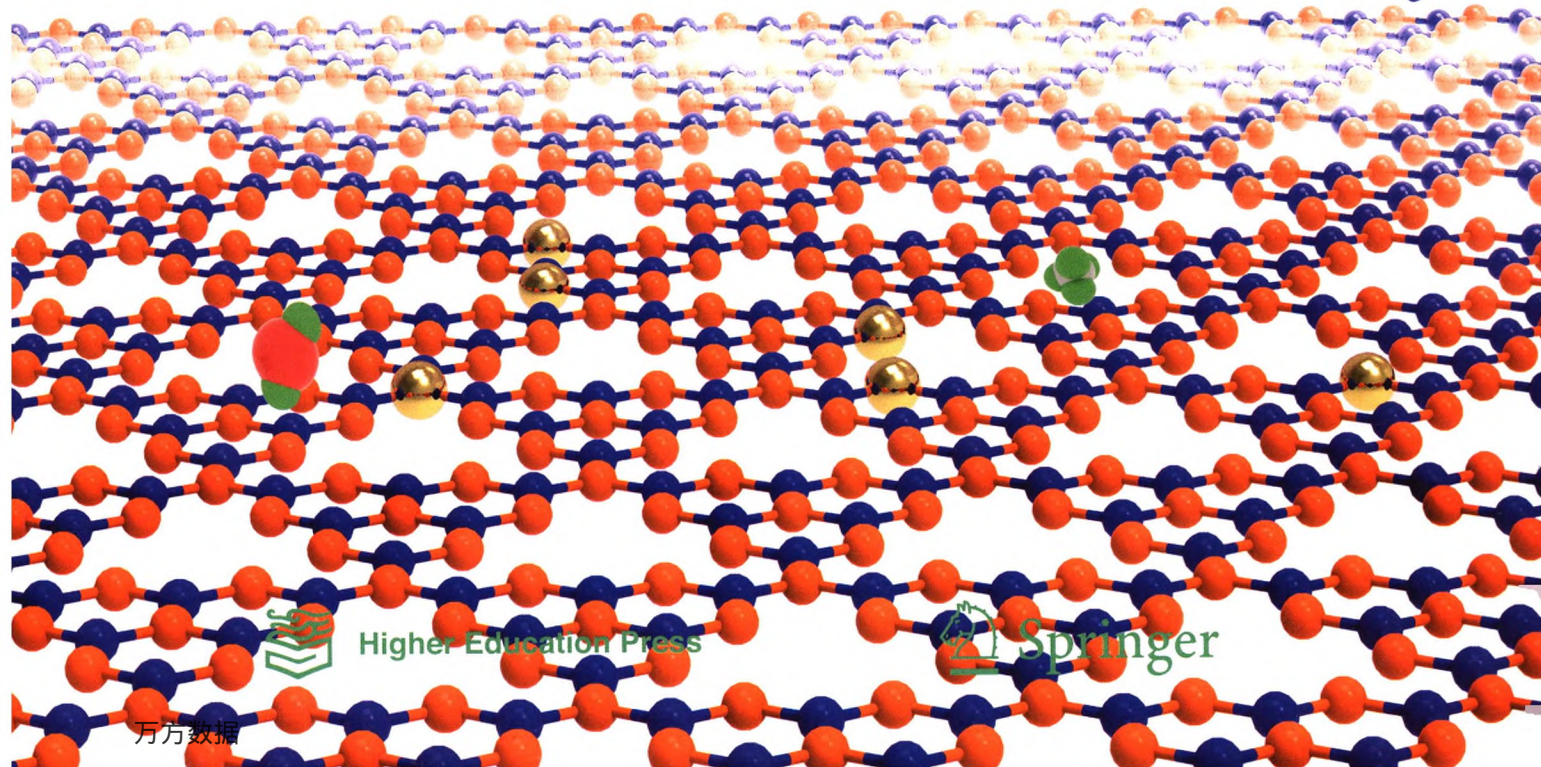
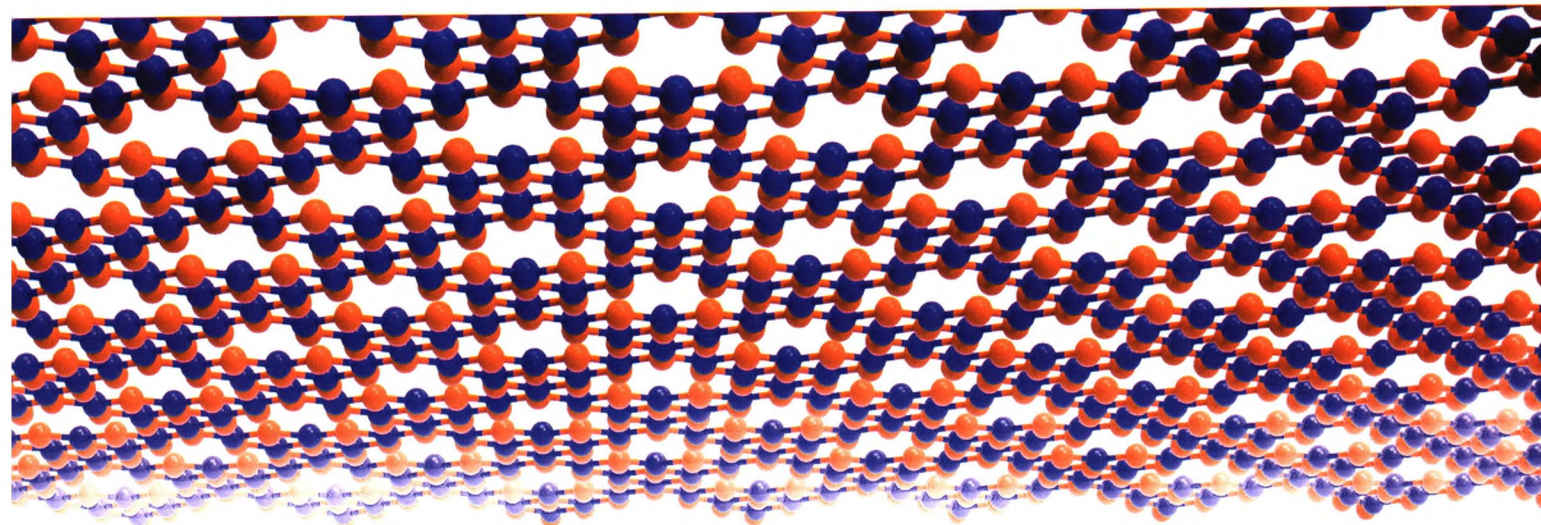


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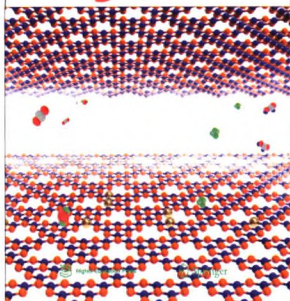
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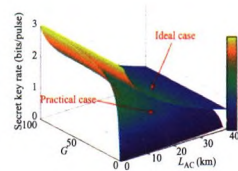
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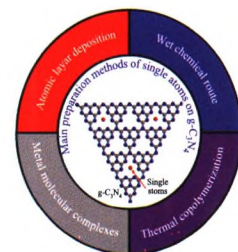
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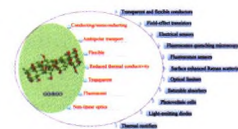
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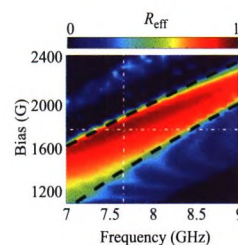
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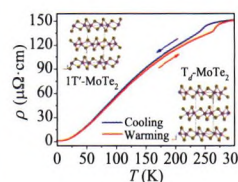
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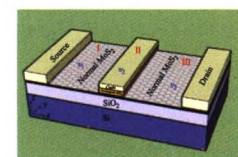
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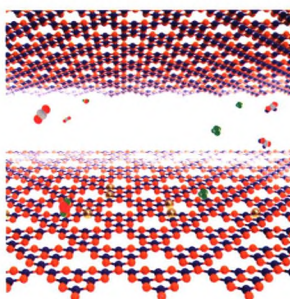
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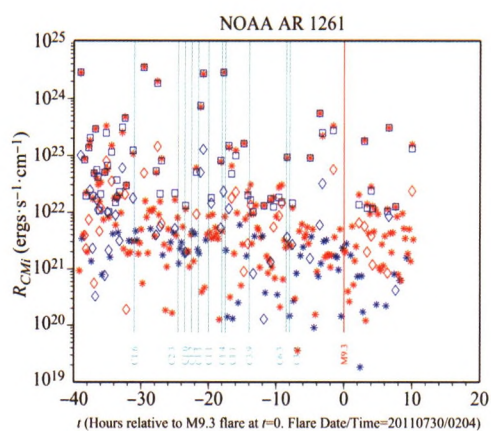
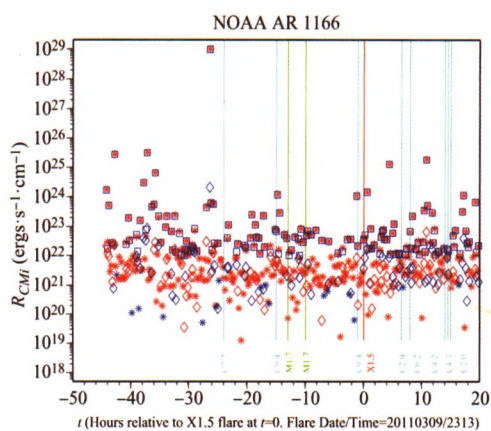


### Cover

Single atom catalysts (SACs) show their unique advantages in various catalytic reactions. Graphitic carbon nitride ( $g\text{-C}_3\text{N}_4$ ) is not only an excellent supporting material for single atom, but also an excellent photocatalyst.  $g\text{-C}_3\text{N}_4$  based single-atom photocatalysts, due to their high catalysis activity, selectivity, and stability, become a hotspot in the field of photocatalysis. The preparation strategies, characterizations, and photocatalytic mechanism need further exploration and development. In the review entitled “Graphitic carbon nitride based single-atom photocatalysts”, the authors summarize the recent progress in  $g\text{-C}_3\text{N}_4$ -based single-atom photocatalysts, the significant roles of single atoms and catalysis mechanism. Moreover, the challenges and perspectives for exploring high-efficient  $g\text{-C}_3\text{N}_4$ -based single-atom photocatalysts are presented. For more details, please refer to the review article by Junwei Fu, *et al.*, *Front. Phys.* 15(3), 33201 (2020).

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The authors presented a first test of a new model developed to determine if the times of increases in the resistive heating rate in active region (AR) photospheres are correlated with the subsequent occurrence of M and X flares in the corona. See: Michael L. Goodman, Chiman Kwan, Bulent Ayhan, and Eric L. Shang, A new approach to solar flare prediction, *Front. Phys.* 15(3), 34601 (2020).

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