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| title | Paper citation | Problem/motivation | remarks |
| Classification,application,and design challenges of drones A review | Hassanalian, Mostafa, and Abdessattar Abdelkefi. "Classifications, applications, and design challenges of drones: A review." *Progress in Aerospace Sciences* 91 (2017): 99-131. | nowadays, researchers designed and fabricated different types of drones ranging from one to twelve motors.This paper depicted the classification and the design challenges of different types UAVs.For rotary UAVs,the most important challenges may be the power. The current energy can not support it’s long flight. |  |
| A survey of small-scale unmanned aerial vehicles: Recent advances and future development trends | Cai, Guowei, Jorge Dias, and Lakmal Seneviratne. "A survey of small-scale unmanned aerial vehicles: Recent advances and future development trends." *Unmanned Systems* 2.02 (2014): 175-199. | Cai presented 132 small-scall models .Among the rotary wing MAVs, the quad-copters and hexa-copters are the best known drones.The paper gave a common design features for rotorcraft including platform,dynamics and flight control. |  |
| Structural health monitoring for a wind turbine system: a review of damage detection methods | Ciang, Chia Chen, Jung-Ryul Lee, and Hyung-Joon Bang. "Structural health monitoring for a wind turbine system: a review of damage detection methods." *Measurement science and technology* 19.12 (2008): 122001. | the structural health monitoring (SHM) system is of primary importance because structural damage may induce catastrophic damage to the integrity of the system. |  |
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