* Test without imaging or activity-related keywords reveals quite a lot of results. We might dig into this later to understand more in depth what we miss with our principal search. (PM: 674 WoS: 987)
  + Keywords: ("movie" OR "film watching" OR "film viewing" OR "motion pictures" OR "motion picture" OR "watching a film" OR "viewing a film" OR "film clip" OR "film clips") AND ( “MEG” OR "magnetoencephalography" OR "magnetoencephalogram" OR “EEG” OR "electroencephalography" OR "electroencephalogram" OR “fMRI” OR "functional magnetic resonance imaging" OR "functional MRI" OR “MRI” OR "magnetic resonance imaging")
* Integrate the keyword “recording”? “neuroimaging”?
* Some relevant articles also don't use any keywords related to the imaging category we use in abstract, title or keywords (see <https://doi.org/10.1111/psyp.14446>)
* “Arousal increases the representational capacity of cortical tissue” : 10.1007/s10827-009-0138-6
  + *Arousal patently transforms the faculties of complex organisms. Although typical changes in cortical activity such as seen in EEG and LFP measurements are associated with change in state of arousal, it remains unclear what in the constitution of such state dependent activity enables this profound enhancement of ability. We put forward the hypothesis that arousal modulates cortical activity by rendering it more fit to represent information. We argue that representational capacity is of a dual nature-it requires not only that cortical tissue generate complex activity (i.e. spatiotemporal neuronal events), but also a complex cortical activity space (which is comprised of such spatiotemporal events). We explain that the topological notion of complexity-homology-is the pertinent measure of the complexity of neuronal activity spaces, as homological structure indicates not only the degree to which underlying activity is inherently clustered but also registers the effective dimensionality of the configurations formed by such clusters. Changes of this sort in the structure of cortical activity spaces can serve as the basis of the enhanced capacity to make perceptual/behavioral distinctions brought about by arousal. To show the feasibility of these ideas, we analyzed voltage sensitive dye imaging (VSDI) data acquired from primate visual cortex in disparate states of arousal. Our results lend some support to the theory: first as arousal increased so did the complexity of activity (that is the complexity of VSDI movies). Moreover, the complexity of structure of activity space (that is VSDI movie space) as measured by persistent homology-a multi scale topological measure of complexity-increased with arousal as well.*
  + Definitely something to look for in theoretical literature about models for brain activity
  + Encoding Models, ANN models to predict activity, could be an interesting idea
  + Looking at what techniques have been used could give us a lot of idesa on how to create a model when we will have a specific thing to look for. When should conduct some search regarding that after our current step of assessing categories.